

 -Ú ŽŸ

**Soft YAMAHA**  
**Synthesizer**

**S-YXG50 v2.1**

“Á ’.

Žd —l

“® ìŠÂ<<

fCf“fXfg□[f<,É,Â,ç,Ä

S-YXG50,ì□«”\□Ý’è

S-YXG50,ì<@”\

S-YXG50 Player’€□ìpf|f<

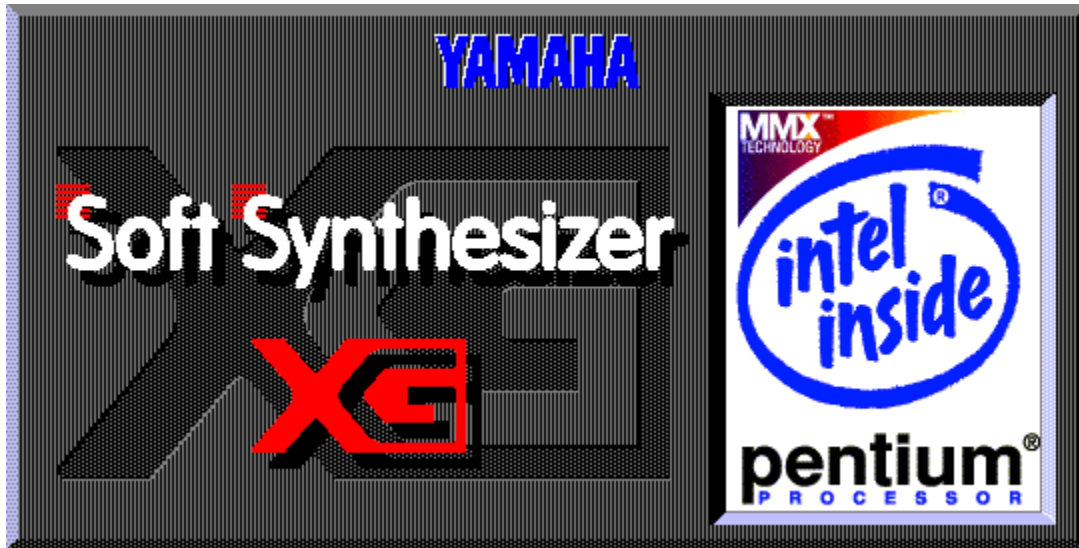
MIDI

—pĈê□W

fgf%oofuf<fVf...□[fefBf“fO

¥ ,±,lfwf<fvftf@fCf<,ÉĈf□Ú,³,ê,Ä,ç,é%oiŽĐ-¼□A□»•i-¼,í□A,»ê,¼,êŠeŽĐ,ì□π•W,Ü,½,í“o~^□π•W,Å,·□B  
¥ Žs”ì,ì%o³Šy□^fTfEf“fhff□[f^,í□AŽ,,“lŽg—p,ì,½,β,ì•□»»,È,Ç’~□ìĈ -@□ă-â’è,É,È,ç,È,ç□ê□‡,ð□œ,ç,Ä□AĈ  
—~ŽÒ,É-³’f,Å•□»»,Ü,½,í“]—p,·,é,±,Æ,ð<Ö,ŋ,ç,ê,Ä,ç,Ü,·□B,²Žg—pŽž,É,í□A’~□ìĈ ,ì□ê-ă  
%oÆ,É,²’Š’k,³,ê,é,È,Ç,ì,²”z—ŋ,ð,“Šè,ç,μ,Ü,·□B  
¥ ,±,lfwf<fvftf@fCf<,ÉĈf□Ú,³,ê,Ä,ç,é%oæ-Ê,í□A,·,x,Ä’€□ì□à-¾,ì,½,β,ì,à,ì,Å□AŽÀ□Ú,ì%oæ-  
Ê,Æ^Ù,È,é□ê□‡,³, ,è,Ü,·□B

**YG**  
Soft "Á".



□i fvf□f□[fffBf]l,É•C“G,·,é□,‰°¹Ž¿□ifTf“fvfŠf“fOfCE□[fg□F44kHz□j,đŽÀCE»,μ,Ü,μ,½□B

□i YAMAHA XGftfH□[f}fbfg,É'‰°ž,μ□Afof‰ofGfefB–L,©,ÈGftfFfNfgfRf“fgf□□[f<,‰‰°Á“\ ,Á,·□B

□i □Á'á“~Žž“‰°¹□”,í128‰°¹,Ü,Á□Y'è,‰‰°Á“\,Á,·□B

□i fEfF□[fu,ÆMIDI,đ“~Žž,É□Ä□¶,μ□AŠe□X,ì‰°¹—Ê,đ'²□®,·,é,±,Æ,ª,Á,«,Ü,·□B□i'□1□j

□i f□[fffBf]CODEC,É^È'¶,μ,È,¢Windows95—p,ìfhf‰ofCfo□[f^fCfvfAfvfŠfP□[fvf#f“,Á,·□B

□i Žg—p,·,éAfvfŠfP□[fvf#f“,É□#,í,¹,Ä□A«“\□ifpftfH□[f}f“fXftfCfY□j,đ□Ø,è'Ö,ì,é,± ,Æ,ª,Á,«,Ü,·□B

□ifTf“fvfŠf“fOfCE□[fg□F44kHz/ 22kHz/ 11kHz□j

□i S-YXG50,í□AMMX (R) fefNfmf□fW,É,æ,èŽÀCE»,³,ê,½□Af\ftfgfEfFfA fEfF□[fufe□[fuf< fvf“fZftfCfU□[,Á,·□B

□i f\_fCfCefNfgfTfEf“fh,É'‰°ž,μ,Ä,¢,Ü,·□B

□i'□,P□j□f□[fffBf]□Ä□¶fhf‰ofCfo□[,ÉSxG50,ª'ì,î,ê,Ä,¢,é□è□#

**%o¹CE¹•”**

•úŽ@ fEfG[]fufe[]fuf< []#[]¬  
 "gCE`ftfCfY 2MB  
 []Å'â"~Žž"%o¹[]" 128%o¹  
 %o¹[]F[]" 676%o¹[]F[]{21fhf%of€fLfbfg/SFXfLfbfg ( ,w,f,[],,,...: 480%o¹[]F[]{11fhf  
 %of€fLfbfg/SFXfLfbfg )  
 []Ä[]¶Žü" g[]"iSampling Rate[]j 44[]D1KHz/22[]D05KHz/11[]D025KHz  
 []o—Í fXfefCEfI

**f\_fCfif~fbfNftfBf<f^[]•”**

f<fBf<f^[] Še%o¹-^,ìŽž•í"@ftfBf<f^[]

**fGftfFfNfg•”**

fGftfFfNfgfZfbfg 3CEn"(fŠfo[]fufR[]f%ofXxfofŠfG[]fVf#f")  
 f^fCfv fŠfo[]fuf 8f^fCfv  
 fR[]f%ofX 8f^fCfv  
 fofŠfG[]fVf#f" 36f^fCfv

**MIDI"ü—Ífhf%ofCfo[]•”**

Í%ožMIDIff[]fbfZ[]fW GMfVfXfef€fCEfxf<1  
 XGfVfXfef€fGfNfXfNf<[]fVfuf[]fbfZ[]fW  
 TG300Bf,[]fh

**'[]^Ó**

ú@ MIDIf[]f^Žó[]MCEä[]A"%o¹,.,é,Ü,Å,É-  
 ñ300ms[]i0.3•b[]j,ì'x,é,â[]¶,¶,Ü,·[]BŠO•"MIDI<@Ší,É,æ,éfŠfAf<f^fCf€%o%'t,É,Í"K,µ,Ü,¹,ñ[]B  
 úA DOS,,"æ,ÑMS-DOSfvf[]"fvfg,Å,Í" @[]ì,µ,Ü,¹,ñ[]B  
 úB "Žž,É2,Å^È[]ä,ìMIDIfAfvfŠfP[]fVf#f" ,ÅŽg—p,.,é,±,Æ,Í,Å,«,Ü,¹,ñ[]B





# Soft fCf“fXfg□[f<,É,Â,ç,Ä

## 1 f\ftfgfVf“fzFTfCfU□[□is-

YXG50,ÉÆÀ,ç, □j,ì,Q□dfCf“fXfg□[f<,Í,Â,«,Ü,¹,ñ

S-YXG50ftfHf<f\_“à,ìSetup.exe,ðf\_fuf<fNfŠfbfN,μ□A•\Ž|,³,ê,é□€-Ú,É“š,|,Ä□s,-

,ÆfCf“fXfg□[f<,ªŽ©“®“I,ÉŽÀ□s,³,ê,Ü,·,ª□A,·,Â,É¼,ìf\

**ftfgfVf“fzFTfCfU□[.ªfCf“fXfg□[f<,³,ê,Ä,ç,é□ê□‡.Í□Afvf□fOf%of€**

,ì”»’f,É,æ,èŽ©“®“I,ÉfCf“fXfg□[f<,ð’tŽ~,μ,Ü,·□B

□ÿfAf“fCf“fXfg□[f<Žè□‡.Í□A□ffXf^□[fg□[fvf□fOf%of€□|YAMAHA Soft Synthesizer S-

YXG50□|S-YXG50,ìfAf“fCf“fXfg□[f<□,,ð’I’ð,μ,Ä□s,ç

,Ü,·□B□iWindows□Ä<N“®,Â’S,Ä,ì□í□œ,ª□I—¹,μ,Ü,·□j

□ÿYAMAHAftfHf<f\_âSyxg50ftfHf<f\_

,ì,Ý,ð□í□œ,μ,½□ê□‡,à□A□ã<L,ìŽè□‡,É,æ,éfAf“fCf“fXfg□[f<,ð□s,ç,Ü,·□B

## 2 fCf“fXfg□[f<ŠK’w,Æ□ì□-,³,ê,é“à—e

ffftfHf<fg,ÂfCf“fXfg□[f<,·,é,Æ□AŽÿ,ìŠK’w,ÉftfHf<f\_âff□[f^,ª□ì□-,³,ê,Ü,·□B,Ü,½□AS-

YXG50,ì<N“®,É•K—v,ÈfRf}f“fh,ªsystem.iniftf@fCf<,É’Ç<L,³,ê,Ü,·□B

### ŠK’w,ÆftfHf<f\_

□œC:□□ (PC9800fvfŠ□[fY,Â,ÍA:□□),ÉYAMAHAftfHf<f\_□i,±,ì’t,ÉS-

YXG50ftfHf<f\_ð□i,è,Ü,·□j

□œC:□□windows□□systemftfHf<f\_É9ftf@fCf<

[sxgb.driv](#)

[mmxswp00.dll](#)

[mmx32x00.dll](#)

[sxo5mx1.dll](#)

[0 sxg05mx3.dll](#)

[sxgbsys.dll](#)

[sxgbcpl.cpl](#)

[vswp.vxd](#)

[sxgwave2.tbl](#)

□œ system.iniftf@fCf<,É’Ç<L

[386Enh] fZfNfVf†f“ ,É

[device =vswp.vxd](#)

[drivers] fZfNfVf#f“ ,É  
midi# =sxgb.driv  
wave# =sxgb.driv  
mixer# =sxgb.driv

(#,ífCf“fXfg□[f<‘O,ìWAVE□AMIDIhf%ofCfo□[,É‘±,“Ô□t)

### 3 f}f<f` f□fffBfA,ìfhf%ofCfo□[□Y’è

fCf“fXfg□[f<Žž,ÉS-YXG50,đ—D□æ,μ,ÄŽg—p,·,·,é□Y’è,đŽ©“@“l,É□s,č,Ü,·□B  
□ff□[fffBfif^fu“à□,,

fI□[fffBfI□Ä□¶ □FffftfHf<fg,Å YAMAHA SXG50 Driver ,²‘l’đ,³,ê,Ü,·□B

□u—D□æ,·,éfffofCfX,ì,ÝŽg—p,·,·,é□v,ìf`fFfbfNBOX□FffftfHf<fg,íf`fFfbfN-

³,μ,Å,·□B

□fMIDIif^fu“à□,,

MIDI□o—í □FffftfHf<fg,Å YAMAHA SXG50 Driver ,²‘l’đ,³,ê,Ü,·□B

### 4 MIXER□if~fLft□[□j,ì’Ç%oÁ

f^fXfNfo□[□iŽžČEv·\Ž!·”□j,É, ,éfXfs□[fj□[f}□[fn,đf\_fuf<fnfšfbfN,·,é,Æ□A S-  
YXG50f~fLft□[,²·\Ž!,³,ê,Ü,·□B[f\ftfgfVf“fZ]fXf%ofCf\_□[,², ,è,Ü,·,ì,ÅWAV,ÆMIDI,đ·Ê□X,Éf  
Rf“fgf□□[f<,Å,<,Ü,·□B

□Yf}f<f` f□fffBfA,ìfI□[fffBfif^fu“à,Å□AfI□[fffBfI□Ä□¶,ì□u—D□æ,·,éfffofCfX□v,É YAMAHA  
SXG50 Driver^ÈŠO,đ‘l’đ,·,é,ÆfpjfRf“,ìfTfEf“fh<@“\

•t’@,ìf~fLft□[,²·N“@,μ,Ü,·□B,»),ì□è□#,í[fEfG□[fu] fXf%ofCf\_□[,²S-YXG50,ì%o¹—  
É’²□B,É,È,è,Ü,·□B



# S-YXG50, i«”\Y'è

Žg—p, ., épfjfrf“, âfAfvfŠfP[fVf#f“, É, , í, 1, ½«”\  
□ifpftfH□[f}f“fXfTfCfY□□Y'è, a, Å, «, Ü, ., ì, Å□A—Ú“□i%o¹Šy—D□æ□Efq□[f€—D□æ□Efpf\



□Y'è, í□ffXf^□[fg□□Y'è□□fRf“fgf□□[f:fpf|f<□,, ð'l'ð, µ XG Synth  
DriverfAfCfRf“□i□ã<L□j, ðf\_fuf<fNfŠfbfN, ., é, ©□A—”, í□ffXf^□[fg□□fVf□fOf  
%of€□□YAMAHA S-YXG50□□S-YXG50 setup□,, ð'l'ð, ., é, Æ•\Ž!, ³, è, é S-  
YXG50, ì□Y'è , Å□s, ç, Ü, .□B

□i, ±, ì%oæ—É, íftf“fvf<, Å, .□B□»•i, É, æ, èfo□[fWf#f“□î•ñ, ì“à—  
e, í^ù, È, è, Ü, .□j



## fGftfFfNfg

,», è, ¼, è, ìfGftfFfNfgff□[f^, ìŽó□M<@”\, ðf|f“□^f|ft, ., é, ±, Æ, a, Å, «, Ü, .□B

ffftfHf<fg,Í3,Â,lfGftfFfNfg,·,×,Ä,afjf“,ÉÏÝ’è,³,ê,Ä,ç,Ü,·□B

**%o¹Žž**

□Ä□¶,·,é%o¹Žž,ðÏÝ’è,·,é,±,Æ,ª,Ä,«,Ü,·□B□”l,ð’â,«,-  
□Ý’è,·,é,Ü,ç□, %o¹Žž,ÈfTfEf“fh,ª“¾,ç,ê,Ü,·,ª□ACPU,ì□è—L—l,ª□,·,Ü,è,Ü,·□B,²Žg—  
p,ìCPU,É□±,í,¹,Ä□Ä“K,È’l,É•ï□X,µ,Ä,,¾,³,ç□B  
ffftfHf<fg,Í22K(Hz),ÉÏÝ’è,³,ê,Ä,ç,Ü,·□B

□Ÿ 44K,ÉÏÝ’è,µ,½□è□□AMIDlftf@fCf<,É,æ,Á,Ä,í%o¹”²,·,ª□¶,¶,é,±,Æ,ª,·,è,Ü,·□B,»),ì,æ,æ,È□è□±,í  
□Ä’â”%o¹□”□ACPU•%o%o× ,l,ðCE,·,ç,µ,Ä,Ý,Ä,,¾,³,ç□B

**CPU•%o%o×**

f\ftfgfVf“fZfTfCfU□[,ªŽg—p,Ä,«,éCPU□è—L—l,ðÏÝ’è,µ,Ü,·□B’l,ð’â,«,,·,é,±,Æ,É,æ,èf\  
ftfgfVf“fZfTfCfU□[.ì□«”\,ðã,°,é,±,Æ,ª,Ä,«,Ü,·□B,²Žg—  
p,ìCPU,É□±,í,¹,Ä□Ä“K,È’l,É•ï□X,µ,Ä,,¾,³,ç□B  
ffftfHf<fg,Í70%,ÉÏÝ’è,³,ê,Ä,ç,Ü,·□B

□Ÿ ’l,ð□-,³,,µ,Ä,à□AMIDlftf@fCf<,lff□f^—Ê,É,æ,Á,Ä,í%o¹”²,·,ª□¶,¶,é,±,Æ,ª,·,è,Ü,·□B

**□Ä’â”%o¹□”**

“~^êf^fCf~f“fO,Ä,ì□Ä□¶,É•K—v,È”%o¹□”,ðÏÝ’è,µ,Ü,·□B ’l,ª□,l,é,ÆCPU,ì•%o%o×,í□  
%oÁ,µ,Ü,·□B  
ffftfHf<fg,Í32%o¹,ÉÏÝ’è,³,ê,Ä,ç,Ü,·□B

□Ÿ MIDlftf@fCf<□\$□iŽÒ,í□A,»),lftf@fCf<,ðŽg—p,·,éMIDI%o¹CE¹,ì”\—í□i”-  
%o¹□”,È,ç□j,ð□l,l,Ä□\$□i,µ,Ü,·□BŽg—p%o¹CE¹Žw’è^ÈŠO,lftf@fCf<,Ä,Í24%o¹□`30%o¹,ð-  
Ú^À,Æ,µ,Ä□\$□i,³,ê,Ä,ç,é,ì,ªCE»□ó,Ä,·,ì,Ä□A,p,â,Ý,É’l,ð□,â,µ,Ä,à^Ó-i,í,·,è,Ü,¹,ñ□B  
**S-YXG50,ìk@”\**,ì□gf{fCfX□`fGfCEf□`fgfŠfU□[fu□h ,ì□€-Ú,àŠÖ~A,·,é“à—e,Ä,·□B

**f\_fCfCEfNfgfTfEf“fh**

f\_fCfCEfNfgfTfEf“fh’í%ož,lfQ□[f€,ðŽg—p,·,é□è□±,ÉÏÝ’è,µ,Ü,·□B  
ffftfHf<fg,Í Off ,ÉÏÝ’è,³,ê,Ä,ç,Ü,·□B  
f\_fCfCEfNfgfTfEf“fh’í%ož,lf\ftfg,ðŽg—p,·,é□è□±,ì,ÝOn ,É,µ,Ä,-  
,¾,³,ç□B,Ü,½□AfRf“fgf□□[f<fpflf<“à,l}f}f`f□fffBfA,ðf\_fuf<fNfŠfbfN,µ□Af□[fffBfif^fu,ì□u  
—D□æ,µ,Ä,±,lfffofCfX,ðŽg,æ□v,lf`fFfbfNBOX,lf`**fFfbfN,ð-³,µ,É**,µ,Ä,-  
,¾,³,ç□B(ffftfHf<fg,Í-³,µ□ó’Ô)



**fhf%oofCfo**

S-YXG50Ž ©`ì,|On/Off □Ø,è'Ö,|fXfCfbf` ,Å,·□B  
□Ø,è'Ö,|,Ä,àfRf“fsf...□f^□[,ð□Ä<N“ ® ,μ,È,ç,Æ—LCEø,É,È,è,Ü,¹,ñ□B

**[OK]f{f^f“**

□Ý'è,ð•Û'¶,μ,Ä□A□Ý'è%œ-Ê,ð□I—¹,μ,Ü,·□B

**[fLfff“fZf<|f{f^f“**

□Ý'è,ð•Û'¶,¹, ,É□A□Ý'è%œ-Ê,ð□I—¹,μ,Ü,·□B

**[“K—p]f{f^f“**

□Ý'è,ð•Û'¶,¹, ,É□AŠm“F,Å,«,Ü,·□B  
□:□Ý'è,ð□f•Û'¶,·,é□^,μ,È,ç□,,í□ffLfff“fZf<□^OK□,,f{f^f“,ÅCE^'è,³,ê,Ü,·□j



# Soft S-YXG50, ĩ<@”\

S-YXG50, ĩAXG, AETG300B, ĩ2, Ā, ĩ%’tf, ĩfh, đŽ, Ā, Ä, ”, èAXGf, ĩfh, Ā<N“® , μ, Ü, ·B Žs” ĩ, ĩXG<ÈW, âGM<ÈW, ĩf”fOff ĩf^, đÄĳ, ·, éêĳĳAfff ĩf^, ĩĀĳ%, É<L~^, ³, é, Ä, ç, é%’tf, ĩfh Žw’è, ĩMĳ+(fGfNfXfNf< ĩVfuf ĩfbfZ ĩfW), đ”Ç, ÝŽæ, èAS-YXG50’x, ĀŽ©”® “ĩ, É%’tf, ĩfh, đØ, è”Ö, ĩ, Ä, ç, Ü, ·B Ž©”·a, Āf\

f”fOff ĩf^, đĳĳĳ, ·, éêĳĳ, àAXGfVfXfefĳf”, È, Ç, ĩfGfNfXfNf< ĩVfuf ĩfbfZ ĩfW, đff ĩf^, ĩæ”a

, É”ü, é, é, ±, AE, Ā%’tf, ĩfh, đØ, è”Ö, ĩ, é, ±, AE, a, Ā, <, Ü, ·B  
 ĳfRf”fsf... ĩf^, ĩ—š, ĩă, °Žž, ÉĳA, ·, x, Ā, ĩŸ’è, ĩ%Šú%»³, é, Ü, ·B  
 ĳŸ%’tf, ĩfh, ĩŽ©”®ĳ, è”Ö, ĩ, ĩA-ř0D5•b, ĩŽžŠÖ, đ—v, μ, Ü, ·B%’tf, ĩfh ĩfbfZ ĩfW, AE%’tf ĩf^, ĩŠÖ, É, ĩAŽáŠ±, ĩ<ó”ĳĳ—ĳ, đ’}”ü, ³, é, é, ±, AE, đ, ”, ·, ·, B, μ, Ü, ·B

### ĳœXGf, ĩfh

XG, Éĳĳ’, μ, ½f}f’f %¹CE¹, AE, μ, ĀŽg—p, ·, éf, ĩfh, Ā, ·B  
 XGf} ĩfN, ĩ, Ā, ç, ½Žs” ĩ, ĩf”fOff ĩf^, đÄĳĳ, ·, é, ±, AE, Āĳ% ĳF%ĀĳH, ©, çfGftfFfNfgĳ^—  
 ĳ, È, Ç, ĩ, ·, ŽG, È<@”\, đftfĳ^—p, μ, ½’s’â, È%’t, đ<CEy, ÉŠy, μ, p, ±, AE, a, Ā, <, Ü, ·B  
 GMfVfXfefĳfĳf<1, ÉŠ@’S’í%ž, μ, ½f}f’f %¹CE¹, AE, μ, Ā, à<@”\, μ, Ü, ·, ĩ, ĀĳGMf} ĩfN, ĩ, Ā, ç, ½Žs” ĩ, ĩf\ f”fOff ĩf^, đ, æ, è, æ, ç%¹, Ā%’t, Ā, <, Ü, ·B  
 Žg—p, Ā, <, éfĳĳfgĳ”ĳF16fpĳfg  
 Žg—p, Ā, <, éf{fCfXĳ”ĳF480fmĳf}f·f{fCfXĳ{11fhf%œfĳf{fCfX/SFX·ĳ

### ĳœTG300B ĩfefB ĩfW ĳ300fr ĳĳj, ĳfh

GMfVfXfefĳfĳf<1, Éĳĳ’, μ, ½f}f’f %¹CE¹, AE, μ, ĀŽg—p, ·, éf, ĩfh, Ā, ·B  
 ‘¼ŽĐ, ĩfRf”fsf... ĩf^f~f... ĩfWfbfN—p%¹CE¹, ĀŽg, ĩ, é, Ä, ç, éMIDIĳĳ·ň, đŽóĳM, μ, Ü, ·B  
 Žg—p, Ā, <, éfĳĳfgĳ”ĳF16fpĳfg  
 Žg—p, Ā, <, éf{fCfXĳ”ĳF579fmĳf}f·f{fCfXĳ{10fhf%œfĳf{fCfX

### ĳif{fCfX ĳifEjF ĳifuĳ

f{fCfX, AE, ĳA%¹CE¹, ĳĳĳ—P^È, Ā, , éfGfĳf”fg ĳĳĳ—{”gCE”ff ĩf^ĳ, đŠĳ, Éĳĳ—, ³, é, ½%¹ĳfVfĳfOf%œfĳ, ĩ, ±, AE, Ā, ·B  
 S-YXG50, ĳf{fCfX, É, ĳA1fGfĳf”fg, ĩ, à, ĩ, AE2fGfĳf”fg, ĩ, à, ĩ, ĩ2f^fCfv, a, , è, Ü, ·B  
 “Ā, È2fGfĳf”fg, ĳĳĳ—, ³, é, Ä, ç, éf{fCfX, ĳA·aCeú, çf{fCfX, àĳACE@”Ö, đ’e, <, ³ĳifxĳfVfefB’ĳ, ĳĳĳ—ĳ, É, æ, Ā, Ā%¹ĳF, aĳØ, è”Ö, ĳ, éf{fCfXĳAfsfAfm, AEfXfgfŠf”fOfX, È, Ç, Ü, È, é%¹, aĳ—, , èĳĳ, Ā, ½f{fCfXĳA, AE, ç, Ā, ½”ĳŸŠ’, ĩ, é%¹, a—p^Ó, ³, é, Ä, ç, Ü, ·B  
 Šef{fCfX, ĩŽg—pfGfĳf”fg”, ĳAĳwXGf{fCfXfŠfXfgĳ^IG300Bf{fCfXfŠfXfgĳx, đ, ²—, ³/4, ³, çĳĳĳĳĳĳĳ—Žž”- %¹ĳ”, ĳA, ±, ĳGfĳf”fg”, É, æ, Ā, ĀCE^, Ü, è, Ü, ·B

### ĳifmĳf}f·f{fCfX, AEfhf%œfĳf{fCfX ĳifhf%œfĳLfbfgĳ

f{fCfX, É, ĳfmĳf}f·f{fCfX, AEfhf%œfĳf{fCfX, ĩ2Žĳ—p, a, , è, Ü, ·B  
 ĳE fmĳf}f·f{fCfX, AE, ĳACE@”Ö, ĩ%¹ŠK, Éĳĳ, Ā, ½%¹’ö, Ā”%¹, ·, éŠyŠĳ%¹ĳ, ĳ, ½, ĳCEø%œ%¹ĳ, ĳ, ±, AE, Ā, ·B P, Éf{fCfX, AE, ç, x, AE, <, ĳAfmĳf}f·f{fCfX, ĳ, ±, AE, đŽw, μ, Ü, ·B  
 ĳE fhf%œfĳf{fCfX, AE, ĳA1f{fCfX, ĳĳĳ—, É’½ĳ”, ĳfhf%œfĳ, àfpĳĳfbfVfĳ”, ĳ%¹ĳF, aĳmĳfgĳĳCE@”Öĳ, ², AE, ÉŠ,, è”—, Ā, ç, é, Ä, ç, é, é“ĀŽè, Éf{fCfX, Ā, ·B  
 fmĳf}f·f{fCfX, Ā, ĳA’e, CE@”Öĳĳžó, , éfmĳfgĳ, É, æ, Ā, Ā%¹’ö, a·ĳ%» , μ, Ü, ·, aĳAfhf %œfĳf{fCfX, Ā, ĳ, ĳCE@”Ö, ÉŠ,, è”—, Ā, ç, é, ½%¹ĳF, a—Ā, é, ¼, , Ā%¹’ö, ĳĳĳ—ĳ, ĳ, ĳ, ĳ%¹ĳF, É, ĳŠÖCEW, μ, Ü, ¹, řĳB

### □i□Ā'â"~Žž"%o¹□"

S-YXG50, i□Ā'â"~Žž"%o¹□", í128%o¹, Ā, ·□B  
 , ±, í128%o¹, Ā, ífGfCEf□f"fg" P^Ē, ĀCEvŽž, ³, è, Û, ·□B'O, Ā□à-¾, μ, ½, æ, x  
 , É□Af{fCfX, É, í1fGfCEf□f"fg, í, à, ì, Ā2fGfCEf□f"fg, í, à, ì, à, , è, Û, ·□B%o¹CE¹S'ì, ĀŽg—p, Ā, <, é  
 %o¹□", í□A1fGfCEf□f"fg□□—, íf{fCfX, í, ©, èŽg, Ā, Ā, ç, é, ĀE, <, í128, Ā, , □A2fGfCEf□f"fg□□—, íf{fCfX, ð□—, °, ĀŽg, x  
 , ĀE128%o¹, æ, è□, È, È, è, Û, ·□B  
 S-YXG50, Ā, í□A□Ā'â"~Žž"%o¹□", ð%o¹z, í, é%o¹%o¹'t□î•ñ, ðŽó□M, ·, é, ĀE□A"%o¹'t, ì%o¹, ©, ç<-  
 □S'I, ÉŽ~, ß, Ā□ACEä, ©, ç'—, ç, è, Ā, , é%o¹%o¹'t□î•ñ, ð—D□æ"l, É"%o¹, ·, éŽd'g, Ý, É, È, Ā, Ā, ç, Û, ·□B□iCEä'...—D□æ□

### □ifp□[fg, ì"%o¹—D□æ□†^Ê

□Ā'â"~Žž"%o¹□", ð%o¹z, í, ½, ĀE, <, í□AŽÿ, ì—D□æ□†^Ê, Ā"%o¹, ³, è, Û, ·□B

#### □Ef`fff"flf<□ifp□[fg□j"%o¹—D□æ□†

10□ifhf%o¹f□p□[fg□j □ 1 □ 2 □ 3 □ 4 □ 5 □ 6 □ 7 □ 8 □ 9 □ 11 □ 12 □ 13 □ 14 □ 15 □ 16

f□□fffb, âfx□[fX, ĀE, ç, Ā, ½□d—v, Èfp□[fg, í—D□æ□†^Ê, ì□, ç`fff"flf<□ifp□[fg□j, ÉS,, è"—, Ā, é, È, Ç□H•v, ·, é, ±  
 , ĀE, Ā□A□Ā'â"~Žž"%o¹□", ð%o¹z, í, ½□è□†, à<È, ì•μ^i<C, a¹, È, í, è, é, ±, ĀE, a□, È, È, è, Û, ·□B

### □ifGfCEf□f"fgfŠfU□[fu

'S'ì, Ā□Ā'â"~Žž"%o¹□", ð%o¹z, í, ½□è□†, Ā, à□AŽw'èf`fff"flf<□ifp□[fg□j, ¾, -, í"-  
 %o¹□"□ifGfCEf□f"fg□"□j, ðŠm•Û, ·, é<@"V, Ā, ·□B  
 , ½, ĀE, í, í□A, , éfp□[fg, ífGfCEf□f"fgfŠfU□[fu, ð□g10□h, É□Y'è, ·, é, ĀE□Af□[fg, ì"%o¹—D□æ□†^Ê, ÉŠÖCEW, È,-  
 □A, »), ífp□[fg, ífGfCEf□f"fg□", a¹0, Û, ĀŠm•Û, ³, è, Û, ·□B  
 fGfCEf□f"fgfŠfU□[fu, í□A□gXGf□fCf□fBf□f□f%o¹□[f^□f`fF"fw□h, É, æ, èfGfCEf□f"fgfŠfU□[fu, íf□fbfZ□[fW, ð'—  
 , é, ±, ĀE, Ā□Y'è, μ, Û, ·□B□U, μ, í□wMIDIff□[f^ftfH□[f}fbfg □x, ð, ²—, , ¾, ¾, ç□B

### □if{fCfX, ì'I'ð

S-YXG50, Ā, í□A676□ifm□[f}f{fCfX□j□{21□ifhf%o¹f□f{fCfX□jŽí—p, íf{fCfX, ðŽg—p, Ā, <, Û, ·□B  
 f{fCfX, ð'I'ð, ·, é, ±, ĀE, a, Ā, <, éfv□[fOf%o¹f□f"fo□[, í1□`128, Ā, ·□B128Ží—p, ð  
 %o¹z, í, ½f{fCfX, ð'I'ð, ·, é, ½, ß, É□Af□[fOf%o¹f□f"fo□[, Éfof"fnfif"fo□[, ð'g, Ý□†, í, 1, ĀŽg—p, μ, Û, ·□B

□E Šì—{f{fCfX, ì128f{fCfX, íGMfVfXfef□fCfXf1, É□€', μ, Ā, ç, Û, ·□B

□E fof"fnfif"fo□[, ĀEfv□[fOf%o¹f□f"fo□[, Ā□Y'è, Ā, <, éf{fCfX, É, Ā, ç  
 , Ā, í□A□wXGf{fCfXfŠfXfg□^TG300Bf{fCfXfŠfXfg□x, ð, ²—, , ¾, ¾, ç□B

□E fof"fnfif"fo□[, í□AMIDI□fbfZ□[fW, É, ", ç, Ā□AfRf"fg□□[f<f`fF"fw, ìfof"fnfZfCfNfgMSB□ALSB, ĀE, ç  
 , aŽŽí—p, íf□fbfZ□[fW, Ā•\CE», ³, è, Ā, ç, Û, ·□B, μ, ©, μ□AS-YXG50, Ā, í, í, ©, è, à, ·, , é, ½, ß, É•Ö<X"l, É•Ð'x  
 , ì□"l, Ā'l, x, éŽd'g, Ý, É, È, Ā, Ā, ç, Û, ·□B

ŽÀ□Ù, ìMIDIff□[f^, Ā, í□A%o¹%o¹'tf, □[fh, a□uXG□v, ì, ĀE, <, í□AMSB, ì'l, Āfm□[f}f{fCfX, ĀEfhf%o¹f□f{fCfX, ĀE, ç  
 , Ā, ½f{fCfXf^fCfv, ì<æ•a, -, ð□ALSB, ì'l, ĀŠg'Éf{fCfX, ìfof"fn, ð□Y'è, μ, Ā, ç  
 , Û, ·□B□i, ½, ¾, μSFXfof"fn, ì, ÝMSB, Āfof"fn, ð□Y'è, μ, Û, ·□j

, Û, ½□A%o¹%o¹'tf, □[fh, a□uTG300B□v, ì, ĀE, <, í□ALSB, ì'l, ðCEĀ'è, μ, Ā□AMSB, ì'l, ¾, -, Āf{fCfXfof"fn, ð□Y'è, μ, Û, ·□B

□E ŠO•"MIDI<@Ší, ©, ç□AS-YXG50, ìfv□[fOf%o¹f□f"fo□[, ð•i□X, ·, é, ĀE, <, í□AMIDI□fv□[fOf%o¹f□f"fw, ðŽg  
 —p, μ, Û, ·□Bfv□[fOf%o¹f□f"fwfif"fo□[, í0□`127, ì"í'í, Ā□Af□[fOf%o¹f□f"fo□[, í1□`128, ì"í'í, É, È, Ā, Ā, ç  
 , é, ½, ß□A□Y'è, ·, é, í, É, 1, Ā, , , è, a□□, ¶, éfv□[fPf"ft□[, âfv□[fPf"fxftfg, a, , è, Û, ·□B□U, μ, í□AŽg—  
 p, ³, è, éfv□[fPf"ft□[, âfv□[fPf"fxftfg, ìf}jfj...Af<, ð, ²—, , ¾, ¾, ç□B

□E fof"fnfZfCfNfg, âfv□[fOf%o¹f□f"fw, ì<í"l, È"ü—í•û—@, É, Ā, ç, Ā, í□A□wMIDIff□[f^ftfH□[f}fbfg □x, ð, ²—, , ¾, ¾, ç□B

### □ifGftfFfNfg, É, Ā, ç, Ā

S-YXG50, í□AfVfXfef□fGftfFfNfg, ĀE, μ, ĀŠfo□[fufGftfFfNfg□i8□j, ĀEfr□[f

%fXfGftfFfNfgi8j,l2En“□□A,»μ,ÄfVfXfef€,ÆfCf“fT□[fVf#f“,ì,Ç,ι,ç,É,à□Ý’è%oÂ“\  
,ÈfofŠfG□[fVf#f“fGftfFfNfgi36j,đ1En“□□A□‡CEv3En“□,lfGftfFfNfg,đ“à’ ,μ,Ä,ç,Ü,·□B

**fVfXfef€fGftfFfNfg**□F ,·,×,Ä,lfp□[fg,©,çfZf“fh^fŠf^□[f“,Å□M□t,đ,â,è,Æ,è,·,éf^fCfv,lfGftfFfNfg  
**fCf“fT□[fVf#f“fGftfFfNfg**□F Žw’è,μ,½1fp□[fg,ÉŽg—p,Å,«,éfGftfFfNfg

fGftfFfNfg,lf^fCfv,â□Ý’è,í□A□gXGfJfCfefBfufpf%of□□[f^□[f`fEf“fW□h,É,æ,è□Ý’è□^•ï□X,·,é,±,Æ,ª,Å,«,Ü,·□B



# Soft S-YXG50 Player

Yamaha S-YXG50 Player





□œfNfŠfA(C)f{f^f“

□u<ÈfŠfXfg(P)□v,É, ,é, ,x,Ä,ìMIDIftf@fCf<,ð□í□œ,μ,Ü,·□B

□œOKf{f^f“

□u<ÈfŠfXfg(P)□v,ì“à—

e,ðŠm'è,μ□A<ÈfŠfXfg□Ý'èf\_fCfAf□Of{fbfNfX,ð•Â,¶,Ü,·□B□u<ÈfŠfXfg□v□ã,ì,ç

, , ,é,©,ìMIDIftf@fCf<,ª'ì'ð,³,è,Ä,ç,½□ê□#□A,»,ì<È,ðœ»□Ý,ì%o%o't<È,Æ,μ,ÄS-YXG50

Player□ã,ÉfZfbfg,μ,Ü,·□B

□œfLfff“fZf<f{f^f“

□u<ÈfŠfXfg(P)□v,ì□□¬□ì<Æ,ð-

³œø,É,μ□A<ÈfŠfXfg□Ý'èf\_fCfAf□Of{fbfNfX,ð•Â,¶,Ü,·□B

### □u<ÈfŠfXfg□v,ì□□¬Žè□‡

1 MIDIftf@fCf<,ì, ,éffBfœfNfgfŠ,ð□ufffBfœfNfgfŠ□v,Â'ì'ð,μ,Ü,·□B

2 □u<ÈfŠfXfg□v,É%oÁ,ì,½,çMIDIftf@fCf<,ð□uftf@fCf<-¼□v,Â'ì'ð,μ,Ü,·□B

3 'Ç%oÁ(A)f{f^f“ ,ðfNfŠfbfN, , ,é,Æ□A'ì,ñ,¾MIDIftf@fCf<,ª□u<ÈfŠfXfg(P)□v,É

%oÁ,ì,è,Ü,·□B□uftf@fCf<-¼□v,É•\Žì,³,è,Ä,ç

,é, , ,x,Ä,ìMIDIftf@fCf<,ð□u<ÈfŠfXfg(P)□v,É%oÁ,ì,½,ç,Æ,«,í□A'S<È'Ç

%oÁ(L)f{f^f“ ,ðfNfŠfbfN,μ,Ü,·□B

4 OKf{f^f“ ,ðfNfŠfbfN, , ,é,Æ□A□u<ÈfŠfXfg(P)□v,ì“à—e,ªŠm'è,³,è□AfŠfXfg□ì□¬,í□

—¹,μ,Ü,·□B

□Ÿ MIDIftf@fCf<ftfH□[f]fbfg,É,Â,ç,Ä

□Ÿ S -YXG50 Player,ÄŽg—

p,Â,« ,éMIDIftf@fCf<,íXf^f“f□[fhMIDIftf@fCf<(ftfH□[f]fbfg0□AftfH□[f]fbfg1),Â,·□B

□Ÿ <ÈfŠfXfg,ì□A'ã100<È,Ü,Ä□Ý'è,Â,« ,Ü,·□B

### □Ä□¶f{f^f“

fNfŠfbfN, , ,é,Æ<È-¼•\Žìfpflf<,É•\Žì,³,è,Ä,ç,é<È,ìMIDIftf@fCf<,ð“Ç,Ý□ž,Ý□A%o

%o't,ðŠŽn,μ,Ü,·□B%o%o't,ª□|—¹, , ,é,ÆŽŸ<È,ì%o

%o't,ªŽn,Ü,è,Ü,·□B<ÈfŠfXfg□ã,ì, , ,x,Ä,ìMIDIftf@fCf<,ì%o

%o't,ª□ì,ì,é,ÆŽ©“@“ì,É'âŽ~ ,μ□A<ÈfŠfXfg□ã,ì□æ“ª,ì<È,ª<È-¼•\Žìfpflf<,É•\Žì,³,è,Ü,·□B

□Ÿ <ÈfŠfXfg,ð□□¬,μ,Ä,ç,È,ç□ó'Ô,Â,í□Ä□¶f{f^f“ ,ì<@“\ ,μ,Ü,¹,ñ□B

**fhf%ofbfO□•fhf□fbfv,É,Â,ç,Ä**

MIDI ftf@fCf<,đftfHf<f\_Ü,½,ífGfNfXfvf[]f%o,©,ç[]AS-YXG50 Player[]ã,Éfhf  
%o\_bfO,μ,Äfhf[]fbfv,·,é,Æ[]Afhf[]fbfv,³,é,½MIDI ftf@fCf<,đž©“@“l,É<ÉfŠfXfg,ì[]ÅCEã,É'Ç%oÁ,μ,Ü,·[]B  
·;[]”,ìMIDI ftf@fCf<,đS-YXG50 Player[]ã,Éfhf%o\_bfO·fhf[]fbfv,μ,½[]ê[]#[]A,·,x,Ä,ì<È,đ<ÉfŠfXfg[]ã,É'Ç  
%oÁ,μ,Ü,·[]B

### f|[]fYf{f^f“

fNfŠfbfN,·,é,Æ%o%o't't,ì<È,đ^êŽž'âž~·,μ,Ü,·[]B,à,x^ê“xf|  
[]fYf{f^f“,đfNfŠfbfN,·,é,©[]Ä[]f{f^f“,đfNfŠfbfN,·,é,Æ[]A^êŽž'âž~·,μ,Ä,ç,½^Ê'u,©,ç<È,ì%o  
%o't,²Žn,Ü,è,Ü,·[]B

### 'až~f{f^f“

fNfŠfbfN,·,é,Æ%o%o't't,ì<È,đ'až~·,μ,Ü,·[]B,Ü,½[]A%o%o'tŠjŽn^Ê'u,²<È,ì[]æ“²,É-β,è,Ü,·[]B

### []æ“²<È'l'đf{f^f“

fNfŠfbfN,·,é,Æ<ÉfŠfXfg(P),É,·,é[]æ“²,ì<È,đ'l'đ,μ,Ü,·[]B

### 'O<È'l'đf{f^f“

fNfŠfbfN,·,é,ÆCE»[]Ý'l'đ,³,é,Ä,ç,é<È-¼·\Ž|fpf|f<,É·\Ž|,³,é,Ä,ç,é)<È,ì^ê,Á'O,ì<È,đ'l'đ,μ,Ü,·[]B

### ŽŸ<È'l'đf{f^f“

fNfŠfbfN,·,é,ÆCE»[]Ý'l'đ,³,é,Ä,ç,é<È-¼·\Ž|fpf|f<,É·\Ž|,³,é,Ä,ç,é)<È,ìŽŸ,ì<È,đ'l'đ,μ,Ü,·[]B

### []ÅCEã<È'l'đf{f^f“

fNfŠfbfN,·,é,ÆCE»<ÉfŠfXfg(P),É,·,é[]ÅCEã,ì<È,đ'l'đ,μ,Ü,·[]B

### fef“f|fRf“fgf[]f<

%o%o't,ìfef“f|('¬,³),đ-5[]`0(<È,ì|fŠfWfif<fef“f|)[]`+10,ì”í,Á'²[]B,·,é,±,Æ,²,Á,«,Ü,·[]Bfef“f|  
,ì[]¶²,ìfef“f|fffBfXfvfCEfC,É·\Ž|,³,é,Ü,·[]B%o%o't't[]^'âž~'t,É,©,©,í,ç,·,·ì[]X%oÁ“\,Á,·[]B

#### []æfef“f|fAfbfvf{f^f“

fNfŠfbfN,·,é,½,Ñ,Éfef“f|,đ'¬,,·,é,±,Æ,²,Á,«,Ü,·[]B

#### []æfef“f|f\_fEf“f{f^f“

fNfŠfbfN,·,é,½,Ñ,Éfef“f|,đ'x,,·,é,±,Æ,²,Á,«,Ü,·[]B

\* ·ê,ì<È,É·ì[]X,·,é,Æ[]Afef“f|l,í0,ÉfŠfZfbfg,³,é,Ü,·[]B

### %o¹CE¹[]Ý'èf{f^f“ [SET]



fNfŠfbfN,·,é,Æ%°¹CE¹Y'èf\_fCfAf□fOf{fbfNfX,ª•Ž¹,³,ê,Ü,·□B%°°°'t't,â^êŽŽ'âŽ~'t,Í<@"\  
,μ,Ü,¹,ñ□B

□œMIDI□o—Íf|□[fg

Žg—p,μ,½,¢%°¹CE¹,É%°ž,¶,½MIDIhf%°ofCfo□[,đ'¹'đ,μ,Ü,·□BMIDIhf%°ofCfo□[,É,Â,¢  
,Ä,Í□A,»ê,¼,ê,ìMIDI%°¹CE¹,Ü,½,ÍTfEf“fhf)□[fh,ì□à-¾□',đ,²—,¾,³,¢□B

**fwf<fvf{f^f“[?]**

fNfŠfbfN,·,é,Æfwf<fv,đ•Ž¹,μ,Ü,·□B%°°°'t't,Í<@"\  
□[f^fL□[f{□[fh,ì[F1(,Ü,½,Í□E1)]fL□[,đ%°Ÿ,μ,Äfwf<fv,đŠ],,±,Æ,à,Â,«,Ü,·□B

**f}fXf^□[f{fŠf...□[f€fXf%°ofCf\_□[**

fXf%°ofCf\_□[,đ□ã%°°•ûCEü,Éfhf%°ofbfO,μ,Ä<È,ì%°°°'t(MIDIftf@fCf<□Ä□¶)f{fŠf...□[f€  
,đ'²□ß,·,é,±,Æ,ª,Â,«,Ü,·□B

MIDI,É,Â,ç,Ä

MIDI fCf“fvfŠf[]f“fe[] [fvf‡f“f` ff[] [fg

MIDI ff[] [f^ftfH[] [f}fbfg

XGfm[] [f}f<f{fCfXfŠfXfg

XGfhf%of€f{fCfXfŠfXfg

TG300Bfm[] [f}f<f{fCfXfŠfXfg

TG300Bfhf%of€f{fCfXfŠfXfg

fGftfFfNfgf^fCfvfŠfXfg

fGftfFfNfgf pf%of[] [] [f^[] [fŠfXfg

fGftfFfNfgff[] [f^fAfTfCf“fe[] [fuf<



# Soft MIDI,É,Â,ç,Ä

## □iMIDI,Æ,í□H

MIDI□if~fffB□j,Æ,í□AMusical Instruments Digital Interface,ì—□ì,Å□Af□□[fj□□,âŽí—p,â^á,Á,Ä,àŠyŠí,âfRf“fsf...  
 □[f^ŠÔ,Å%°°°t□î•ñ,â%°°°F□î•ñ,È,Ç,ð,â,è,Æ,è,·,é,½,ß,É'è,ß,ç,è,½□A%°°°ŠyŠÖ~A“dŽq<@ŠíŠÔ,ì'SCEY□Ú'±  
 ,ì,½,ß,ì<KŠi,Å□A□çŠE“□^è<KŠi,Å,·□B  
 MIDI,Å,í□A□wCE“Ö,ð'e,□x□A□w%°°°F,ð'I,Ô□x,Æ,ç,Á,½%°  
 %°°t,ÉŠÖ,·,é□î•ñ,ì'¼,É□A□Y'è,ð□Ø,è'Ö,ì,½,èfef“fj,ðfRf“fgf□□[f<,·,é,È,Ç,ì□A,³,Ü,´,Ü,È□î•ñ,ð<K'è,µ,Ä,ç  
 ,Ü,·□B,±,è,ç,ì<K'è,ðftf<,ÉŠ^—p,·,é,ì□AS-YXG50,ðŠî-{%°°°F,Å%°°°t,·,é,¾,¯,Å,È,□A%°°°F,ð  
 %°°Å□H,µ,½,è□Afpf“,âfGftfFfNfg,ì□Y'è,ð•ì,ì,é,È,Ç□A,æ,è□ì<É“ì,Å,©,Å'@□x,È%°°°Šy•\CE»,ð,·,é,±  
 ,Æ,ª,Å,«,Ü,·□B

## □iS-YXG50,âŽó□M,·,éMIDI□fbfZ□[fW

S-YXG50,âŽó□M,·,é□iŠO“,·,çfRf“fgf□□[f<,³,è,é□MIDI□fbfZ□[fW,É,í□AZŽ,ì,æ,æ,È,à,ì,ª, ,è,Ü,·□B

## □Efm□[fgfif“□^fm□[fgfift

CE“Ö,ð%°°Y,·□î•ñ□ifm□[fgfif“□j,Æ—£,·□î•ñ□ifm□[fgfift□j,Æ□A,Ç,ìCE“Ö□ifm□[fgfif“fo□□j,ð,Ç,ì^È,ì<-  
 ,³□ifxf□VfefB□j,Å%°°°t,·,é,©,ì□î•ñ□B

## □EfRf“fgf□□[f`fFf“fW

f{fCfX,ìfof“fN,ð'I,ñ,¾,è□Af{fŠf...□[f€  
 ,âfpf“,È,Ç,ðfRf“fgf□□[f<,·,é□fbfZ□[fW,Å,·□BfRf“fgf□□[f<fif“fo□[f,É,æ,Á,Ä<“\,ªŠ,,,è□U,ç,è,Ä,ç,Ü,·□B  
 fRf“fgf□□[f`fFf“fW,ì't,Å□Å,à,æ,Žg,æ,ì,ªfof“fNfZfCfNfg,Å,µ,â,æ□B,±,ìf□fbfZ□[fW,ðS-YXG50,É'—□M,·,é,±  
 ,Æ,Å□Af{fCfXfof“fN,ð'I,Ô,±,Æ,ª,Å,«,Ü,·□B

## □EfVf□Of%°°fEf`fFf“fW

f{fCfX,ð'I'ð,·,é,½,ß,ìf□fbfZ□[fW,Å,·□B  
 ,±,ìf□fbfZ□[fW,ðŽó□M,·,é,Æ□ACE»Y'ì,ì,è,Ä,ç,é{fCfXfof“fN,ì□AZó□M,µ,½”Ô□t,ìf{fCfX,ª,ì,è,Ü,·□B  
 ,Ü,½□A'□□q,ìfRf“fgf□□[f`fFf“fW,ìfof“fNfZfCfNfg,Æ,Æ,à,ÉŽó□M,·,é,Æ□Af{fCfXfof“fN,Æf{fCfX,Æ,à,ÉŽw'è,  
 ·,é,±,Æ,ª,Å,«,Ü,·□B

## □Efsfbf`fxf“fh

fsfbf`fxf“fhfzfc□[f<,ì□î•ñ,ð“` ,ì,Ä□Afsfbf` ,ð•ì%°°»,³,¹,é□î•ñ,Å,·□B

## □Ef`fff“flf<fAftf^□[f^fbf`

CE“Ö,ð'e,ç,½CEã□A□X,È%°°Y,µ□ž,p<,³,ð“` ,ì,Ä□A%°°¹,É•ì%°°»,ð•t,¯,é□fbfZ□[fW,Å,·□B

## □EfìfŠftfHfjfbfNfAftf^□[f^fbf`

ŠeCE“Ö,²,Æ,É□ACE“Ö,ð'e,ç,½CEã□A□X,È%°°Y,µ□ž,p<,³,ð“` ,ì,Ä□A%°°¹,É•ì%°°»,ð•t,¯,é□fbfZ□[fW,Å,·□B

## □EfVfXfef€fGfNfXfNf<□[fVfuf□fbfZ□[fW

,±,è,ç□A'¼□Ú“ì,È%°°°t□î•ñ,ì'¼,É□AMIDI<@Ší,ìfVfXfef€ÉŠÖ,·,é□Y'è,ð□s,æ  
 ,ì,ªfVfXfef€fGfNfXfNf<□[fVfuf□fbfZ□[fW,Å,·□B,±,ìf□fbfZ□[fW,ðŽg,æ,±,Æ,Å□AS-YXG50,ì,Ü,Æ,ñ,Ç,ì<@“\  
 ,ðfRf“fgf□□[f<,·,é,±,Æ,ª,Å,«,Ü,·□B  
 f}fXf^□[f{fŠf...□[f€,ì□Y'è□A%°°°t,ì□fh□iXG,Ü,½,ìTG300B□j,ì'I'ð□AfGftfFfNf^□[f^fCfv,âfpf  
 %°°f□□[f^□[f,ì'²□@,È,Ç,ª,Å,«,Ü,·□B

## □i10i□©□”16i'í%°°ž•\

□wMIDIff□[f^ftfH□[f]fbfg□x,É,´,ç,Ä,ì10i□”,Å•\CE»,µ,Ä,ç,é,à,ì,Æ16i□”,Å•\CE»,µ,Ä,ç,é,à,ì,Æ,ª, ,è,Ü,·□  
 B16i□”•\CE»,ì□è□ž,ì□”ì,ìCEã□i,Ü,½,ì—ñ,ì“ª□j,ÉH□iHexadecimal□j,ª•t,ç,Ä,ç,Ü,·□B

10□i□"	16□i□"	10□i□"	16□i□"	10□i□"	16□i□"	10□i□"	16□i□"
0	00	32	20	64	40	96	60
1	01	33	21	65	41	97	61
2	02	34	22	66	42	98	62
3	03	35	23	67	43	99	63
4	04	36	24	68	44	100	64
5	05	37	25	69	45	101	65
6	06	38	26	70	46	102	66
7	07	39	27	71	47	103	67
8	08	40	28	72	48	104	68
9	09	41	29	73	49	105	69
10	0A	42	2A	74	4A	106	6A
11	0B	43	2B	75	4B	107	6B
12	0C	44	2C	76	4C	108	6C
13	0D	45	2D	77	4D	109	6D
14	0E	46	2E	78	4E	110	6E
15	0F	47	2F	79	4F	111	6F
16	10	48	30	80	50	112	70
17	11	49	31	81	51	113	71
18	12	50	32	82	52	114	72
19	13	51	33	83	53	115	73
20	14	52	34	84	54	116	74
21	15	53	35	85	55	117	75
22	16	54	36	86	56	118	76
23	17	55	37	87	57	119	77
24	18	56	38	88	58	120	78
25	19	57	39	89	59	121	79
26	1A	58	3A	90	5A	122	7A
27	1B	59	3B	91	5B	123	7B
28	1C	60	3C	92	5C	124	7C
29	1D	61	3D	93	5D	125	7D
30	1E	62	3E	94	5E	126	7E
31	1F	63	3F	95	5F	127	7F



# Soft MIDI fCf“fvfŠf□f“fe□[fVf‡f“f`ff□[fg

YAMAHA [Software Synthesizer Driver] Date:03-DEC-1996  
 MODEL SXG50 Driver MIDI Implementation Chart Version : 1.13

Function ...	Transmitted	Recognized	Remarks
:Basic Default	: x	: 1 - 16	:
:Channel Changed	: x	: 1 - 16	:
: Default	: x	: 3	:
: Mode Messages	: x	: 3,4(m = 1) *2	:
: Altered	: x	: x	:
:Note	: x	: 0 - 127	:
:Number : True voice	: *****	: 0 - 127	:
:Velocity Note ON	:	: o 9nH,v=1-127	:
: Note OFF	: x	: x	:
:After Keys's	: x	: o *1	:
:Touch Ch's	: x	: o *1	:
:Pitch Bender	: x	: o 0-24semi *1	:
: 0,32	: x	: o *1	:Bank Select
: 1,5,7,10,11	: x	: o *1	:
: 6,38	: x	: o	:Data Entry
: 64-67	: x	: o *1	:
: Control 71-74	: x	: o	:Sound Controller:
: Change 84	: x	: o	:Portamento Cntrl:
: 91,93,94	: x	: o	:Effect Depth
: 96-97	: x	: o *1	:RPN Inc,Dec
: 98-99	: x	: o *1	:NRPN LSB,MSB
: 100-101	: x	: o *1	:RPN LSB,MSB
: 120	: x	: o	:All Sound Off
: 121	: x	: o	:Reset All Cntrls:
: Prog	: x	: o 0-127	:
:Change : True #	: *****	:	:
:System Exclusive	: x	: o *3	:
:System : Song Pos.	: x	: x	:
: : Song Sel.	: x	: x	:
:Common : Tune	: x	: x	:
:System :Clock	: x	: x	:
:Real Time :Commands	: x	: x	:

:Aux :Local ON/OFF : x : x : :  
: :All Notes OFF: x : o (123-127) : :  
:Mes- :Active Sense : x : x : :  
:sages:Reset : x : x : :  
:-----+-----+-----+-----:

:Notes: \*1 ; receive if switch is on. :  
: \*2 ; m is always treated as "1" regardless of its value. :  
: \*3 ; transmit/receive if exclusive switch is on. :  
: : :  
: : :

+-----+-----+-----+-----+  
Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO o : Yes  
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO x : No



# Soft MIDI ffbfZ [f^ftfH [f}fbfg

MIDIf ffbfZ [fW, δS-YXG50, É —, é, ±, AE, Å [AS-YXG50, ì%°¹CE¹•°, ì,³, Ü, ´, Ü, È □Ý'è, ðfRf“fgf □□[f<, ·, é, ±, AE, à, Å, «, Ü, · □B, ±, ±, Å, í □AS-YXG50, àžóM, ·, éMIDIf ffbfZ [fW, Ìží—p, AE“ , «, É, Å, ç, Å □Ü, μ, □à-¾, μ, Ü, · □B

Í Šef □fbfZ [fW, ÌS-YXG50, Ö, ì' —□M•ú-@, É, Å, ç, Å, í □A, “žg, ç, ÌfV □[fPf“fXf ftfg“™, Ìžæ`μ □à-¾ □, ð, “Ç, Ý, -¾,³, ç □B

## 1. f`fff“fif·f□fbfZ□[fW

### 1.1 fm□[fgfif“□^fm□[fgfif

žóMfm□[fgf“í`í □□C-2 (0□□`G8 (127□□FC3=60  
fx□fVfefB“í`í □□1□`127 □iVelocity , Ìfm□[fgfif“ , Ì, ÝžóM□

CE“Ö, ì%°°°t□î•ñ, ð“` , Ì, é□fbfZ□[fW□B  
fm□[fgfif“□FC“Ö, ð%°Ý,³, ì, ½, AE, ç, ç□fbfZ□[fW  
fm□[fgfif□FC“Ö, ð—£, μ, ½, AE, ç, ç□fbfZ□[fW  
Šef□fbfZ□[fW, É, í □A, Ç, ÌCE“Ö, ð%°°°t, μ, ½, ©, ðžì, · □ufm□[fgfif“fo□□v, AE □A, Ç, è, ·, ç, Ì, ç,³, Å%°°°t, μ, ½, ©, ðžì, · □ufx□fVfefB□v, AE, ç, çžží—p, Ìff□[f^ , àŠÜ, Ü, è, é□B  
f}f<f`fp□[fgfif%°°□□[f^ □□[í•t•\1-4□j, ÌRcv NOTE MESSAGE = OFF , Ìžž □A, » , Ìfp□[fg, Å, ÌžóM, μ, È, ç □B  
fŠfyfē□Efp□[fg, Å, Ì□Afhf%°°fēfZfbfgfAfbfvpj%°°□□[f^ □□[í•t•\1-5□j, ÌRcv NOTE OFF =  
OFF, Ìžžfm□[fgfif, ðžóM, μ, È, ç □B, Ü, ½ □A“`—, Ì, ÌRcv NOTE ON = OFF, Ìžžfm□[fgfif“ , ðžóM, μ, È, ç □B

### 1.2 fRf“fgf□□[f· f`fFf“fW

f{fŠf... □[fē, àfPf“ , È, Ç, ðfRf“fgf□□[f<, ·, é□fbfZ□[fW□B<@“\, È, æ, Å, ÅfRf“fgf□□[f·fif“fo□□, à^Ü, È, é□B  
f}f<f`fp□[fgfif%°°□□[f^ □□[í•t•\1-4□j, Ì Rcv CONTROL CHANGE = OFF , Ìžž □A, » , Ìfp□[fg, Ì, ç  
, ·, è, ÌfRf“fgf□□[f· fFf“fW, àžóM, μ, È, ç □B  
, Ü, ½ □Af}f<f`fp□[fgfif%°°□□[f^ □□[í•t•\1-4□j, ÌŠefRf“fgf□□[f· fFf“fW, ÌfCEV□[fu, Ì□Ý'è, ð OFF , È□Ý'è, μ, Å, ç  
, éžž □A, » , Ìfp□[fg, ÌfRf“fgf□□[f· fFf“fW, ÌžóM, μ, È, ç □B

#### 1.2.1 Bank Select □ifof“fNfzfcfNfg□

Cntrl#	parameter	Data Range
0	Bank Select MSB	0:Normal, 63:User Voice, 64:SFX, 126:SFX Kit, 127:Drum
32	Bank Select LSB	0...127

f{fCfX, Ìfof“fN, ð' ð, ·, éMIDIf ffbfZ□[fW□B  
MSB, AELSB, Ì2, Å, ÌfRf“fgf□□[f· fFf“fW, Ì'g, Ý□±, Ì, Ì, Åf{fCfXfof“fN, à' ð,³, è, é□B%°°  
%°°tj, □[fh, È, æ, Å, ÅMSB, AELSB, Ì“ , «, à^Ü, È, é□B  
%°°°tj, □[fh, à□uXG□v, Ìžž, Ì □AMSb, Ì' Ì, Åfm□[f}f<f{fCfX, AEfhf%°°fēf{fCfX, AE, ç  
, Å, ½f{fCfX, Ì' à, «, È<æ•à, ` , ð □ALSB, Ì' Ì, Åfof“fNžw'è, ð, ·, é□B  
%°°°tj, □[fh, à□uTG300□v, Ìžž, Ì □ALSB, Ì' Ì, ðCEÅ'è, μ, Å □AMSb, Ì' Ì,¾, ` , Åf{fCfX, Ìfof“fNžw'è, ð, ·, é□B

žQ□AE□F XGfm□[f}f<f{fCfXfŠfXfg□^TG300Bfm□[f}f<f{fCfXfŠfXfg□A XGfhf  
%°°fēf{fCfXfŠfXfg□^TG300Bfhf%°°fēf{fCfXfŠfXfg

fof“fNfzfcfNfgMSB□ALSB, ðžóM, μ, ½CEã□Afvf□fof  
%°°fēf`fFf“fW, ðžóM, μ, Å, Ì, Ì, Ì, Åf{fCfXfof“fN, à□Ø, è' Ö, Ì, é□B

#### 1.2.2 Modulation □if, fWf...fCE□[fVfj“fzfC□[f<□

Cntrl#	parameter	Data Range
1	Modulation	0...127

frfuf%°°□[fg, ð, ©, ` , é□[ ,³, ðfRf“fgf□□[f<, ·, é□B  
0 , Åfrfuf%°°□[fg, È, μ □A127 , Åfrfuf%°°□[fg□Å' à□B

### 1.2.3 Portamento Time

Cntrl#	parameter	Data Range
5	Portamento Time	0...127

Portamento Time parameter details.

1.2.9 Portamento parameter details.

Portamento parameter details.

### 1.2.4 Data Entry

Cntrl#	parameter	Data Range
6	Data Entry MSB	0...127
38	Data Entry LSB	0...127

RPN MSB parameter details.

ANRPN MSB parameter details.

ANRPN LSB parameter details.

### 1.2.5 Main Volume

Cntrl#	parameter	Data Range
7	Main Volume	0...127

Main Volume parameter details.

Main Volume parameter details.

### 1.2.6 Pan

Cntrl#	parameter	Data Range
10	Pan	0...127

Pan parameter details.

Pan parameter details.

### 1.2.7 Expression

Cntrl#	parameter	Data Range
11	Expression	0...127

Expression parameter details.

Expression parameter details.

### 1.2.8 Hold1

Cntrl#	parameter	Data Range
64	Hold1	0...127

Hold1 parameter details.

Hold1 parameter details.

Hold1 parameter details.

### 1.2.9 Portamento

Cntrl#	parameter	Data Range
65	Portamento	0...127

Portamento parameter details.

Portamento parameter details.

Portamento parameter details.

Portamento parameter details.

### 1.2.10 Sostenuto

Cntrl#	parameter	Data Range
--------	-----------	------------



66 Sostenuto 0...127

fjXfefk[]fgfyf\_f<,lflf"/flft,ðfRf"fjg[]f<.,é[]B  
fyf\_f<,ð"¥,ñ,¾ŽŽ,É%Ÿ,³,!,Ä,ç,½CE@ "Ö,ì%¹,ì""%¹,ðŽ[]±,.,é[]B  
0[]`63,ìŽžfjXfefk[]fgfyf\_f<,³flft(-£,µ,½ó'Ô)[]A64[]`127,ìŽžfj("¥,ñ,¾ó'Ô),É,È,é[]B

**1.2.11 Soft Pedal []iftfgfyf\_f<[]**

Cntrl# parameter Data Range  
67 Soft Pedal 0...127

iftfgfyf\_f<,lflf"/flft,ðfRf"fjg[]f<.,é[]B  
fyf\_f<,ð"¥,ñ,Ä,ç,éSÖ.í[]A%¹,³[]\_ç,©,.,É,é[]B  
ff[]f^,³0[]`63,ìŽžiftfgfyf\_f<,³flft(-£,µ,½ó'Ô)[]A64[]`127,ìŽžfj("¥,ñ,¾ó'Ô),É,È,é[]B

**1.2.12 Harmonic Content []ifn[]f,jjbfNfRf"fef"fjg[]**

Cntrl# parameter Data Range  
71 Harmonic Content 0...127 (0:-64, 64:+0, 127:+63)

%¹[]F,ÄŸ'è,³,è,Ä,ç,éfCf]fj"fx,ð'²[]B,.,é[]B  
0[]`127,ì'l,ð-64[]`+63,É'u,«S.,!,Ä[]AflftfZfbfg'l,Æ,µ,ÄCE³,ì%¹[]Fff[]f^,É%ÁŽŽ,³,éfCf]fj"fx,³,è,é[]B  
'l,³,è,è,È,é,Ù,çfNfZ,ì,.,é%¹,É,È,é[]B  
%¹[]F,É,æ,è[]ACEø%È,ì,.,é"í,³Ÿ'è,Ä,«,é"í,æ,è<.,ç[]è[]±,³,.,é[]B

**1.2.13 Release Time []ifšfš[]fxf^fcf€[]**

Cntrl# parameter Data Range  
72 Release Time 0...127 (0:-64, 64:+0, 127:+63)

%¹[]F,ÄŸ'è,³,è,Ä,ç,éfGf"fxf[]fv[]Efšfš[]fx[]Ef^fcf€,ð'²[]B,.,é[]B  
0[]`127,ì'l,ð-64[]`+63,É'u,«S.,!,Ä[]AflftfZfbfg'l,Æ,µ,ÄCE³,ì%¹[]Fff[]f^,É%ÁŽŽ,³,è[]Afšfš[]fxf^fcf€  
,³,è,é[]B

**1.2.14 Attack Time []ifAf^fbfNf^fcf€[]**

Cntrl# parameter Data Range  
73 Attack Time 0...127 (0:-64, 64:+0, 127:+63)

%¹[]F,ÄŸ'è,³,è,Ä,ç,éfGf"fxf[]fv[]EfAf^fbfNf^fcf€,ð'²[]B,.,é[]B  
0[]`127,ì'l,ð-64[]`+63,É'u,«S.,!,Ä[]AflftfZfbfg'l,Æ,µ,ÄCE³,ì%¹[]Fff[]f^,É%ÁŽŽ,³,è[]AfAf^fbfNf^fcf€  
,³,è,é[]B

**1.2.15 Brightness []ifuf%fcfgflfX[]**

Cntrl# parameter Data Range  
74 Brightness 0...127 (0:-64, 64:+0, 127:+63)

%¹[]F,ÄŸ'è,³,è,Ä,ç,éftfBf:f^[][,l]fjfbfgflftŽü"gp",ð'²[]B,.,é[]B  
0[]`127,ì'l,ð-64[]`+63,É'u,«S.,!,Ä[]AflftfZfbfg'l,Æ,µ,ÄCE³,ì%¹[]Fff[]f^,É  
%ÁŽŽ,³,è[]AfjfbfgflftfšfP"fv[][,³,è,é[]B  
'l,³,è,è,È,é,Ù,ç[]\_ç,©,É%¹,É,È,é[]B  
%¹[]F,É,æ,è[]ACEø%È,ì,.,é"í,³Ÿ'è,Ä,«,é"í,æ,è<.,ç[]è[]±,³,.,é[]B

**1.2.16 Portamento Control []ifj<f^f[]f"fjgRf"fjg[]f<[]**

Cntrl# parameter Data Range  
84 Portamento Control 0...127

fj<f^f[]f"fjg,ì[]fXfL[]fj"fo[][(fj<f^f[]f"fjg,ðS]Žn,.,éfL[]fj"fo[][  
,ðŽw'è,.,é[]B0[]`127,ìff[]f^,Äfm[]fjg"fo[][,ðŸ'è,.,é[]B  
,½,Æ,!,ì,ç3,©,çC4,ÉCEü,©,Ä,Äfj<f^f[]f"fjg,ð,©,~,½,ç[]è[]±,í[]A^È%º,ì,æ,æ,ÉŸ'è,.,é[]B  
90 3C 7F []c[]c[]c C3,ðfm[]fjgflf"  
B0 54 3C []c[]c[]c f[]fXfL[]fj"fo[][,ðC3,ÉŽw'è

90 48 7F □□□□□ C4,đfm□[fgf]f“(fm□[fgf]f“,Æ“~Žž,ÉC3,Í□Á,Í□AC4,Öf]f<f^f□“fg,ª,©,©,é) f]f<f^f□“fgfRf“fgf□□[f<,đŽó□M,·,é,Æ“%o¹¹t,ì%o¹¹ö,í□AZŽ,ÉŽó□M,·,é“~,¶f`ffff“f]f<,ìfm□[fgf]f“,ìfL□[.É□Af] f<f^f□“fgf^fCf€0,ì¹“x,Á•ì%o»;,·,é□B f}f<f`fp□[fgf]f%of□□[f^□□[í•t•1-4□j,ìRcv PORTAMENTO=OFF,Á, ,Á,Á,àžó□M,·,é□B

**1.2.17 Effect1 Depth □ifŠfo□[fufZf“fhfCEfxf<□j**

Cntrl#	parameter	Data Range
91	Effect1 Depth	0...127

fŠfo□[fufGftfFfNfg,É'í,·,éfZf“fhfCEfxf<,đŸ'è,·,é□B

**1.2.18 Effect3 Depth □ifR□[f%ofXfZf“fhfCEfxf<□j**

Cntrl#	parameter	Data Range
93	Effect3 Depth	0...127

fR□[f%ofXfGftfFfNfg,É'í,·,éfZf“fhfCEfxf<,đŸ'è,·,é□B

**1.2.19 Effect4 Depth □ifofŠfG□[fvf]f“fGftfFfNfgZf“fhfCEfxf<□j**

Cntrl#	parameter	Data Range
94	Effect4 Depth	0...127

fGftfFfNfgjpf%of□□[f^□□[í•t•1-3□j,ìVariation Connection=1(System) ,ìŽž□AfofŠfG□[fvf]f“fGftfFfNfg,É'í,·,éfZf“fhfCEfxf<,đŸ'è,·,é□B Variation Connection=0(Insertion),ìŽž,íCEø%oÉ,È,μ□B

**1.2.20 Data Increment / Decrement (RPN—p)**

□iff□[f^fCf“fNfŠf□f“fg□^fffNfŠf□f“fg□j

Cntrl#	parameter	Data Range
96	RPN Increment	0...127
97	RPN Decrement	0...127

ff□[f^fofCfj,ì~ž<,ª,é,é□B

RPN,Áfsfbf`fxf“fhfZf“fvfefBfrfefB□Aftf@fCf“f`f...□[f“□Afr□[fXf`f...□[f“,đžw'è,μ,½CEã□A,»è,¼,è,ìpfj %of□□[f^□[ì'ì,đ1,·,Á'□CE,·,é□B fCf“fNfŠf□f“fg□^fffNfŠf□f“fg,ª,¹,Ä□Á'á'ì□^□Á□~'ì,É'B,μ,½,ç□A,»è^È□ã,ì'ì,ì'ì□CE,·,ì,μ,È,ç□B□iftf@fCf“f`f... □[f“,đfCf“fNfŠf□f“fg,μ,½,çfR□[fXf`f...□[f“,ªCEj,è,ª,é,æ,æ,É“@□,à,μ,È,ç□j

**1.2.21 NRPN □ifmf“fCEfWfXf^□[fh fpf%of□□[f^□[ fif“fo□□j**

Cntrl#	parameter	Data Range
98	NRPN LSB	0...127
99	NRPN MSB	0...127

frfuf%of□[fg,âftfBf<f^□□[AEG□Afhf%of€fZfbjgAfbfv,È,Ç□A %o¹□F,ìŸ'è,đf]ftfZfbjg'ì,Á•ì□X,·,é,½,ß,ìMID]f□fbfZ□[fW□B NRPN MSB□ANRPN LSB,Á•ì□X,μ,½,çfpj%of□□[f^□[,đžw'è,μ,½CEã□A□f□[f^fGf“fgfŠ□[,Áfjpf %of□□[f^□[,ì'ì,đŸ'è,·,é□B

\* ^è^UNRPN,ªŸ'è,ª,é,é,Æ□A,»è,ìCEã“~,¶f`ffff“f]f<,ÁŽó□M,·,éff□[f^fGf“fgfŠ□[,Í□AŸ'è,μ,½NRPN,ì'ì,Æ,μ,Ä□^ —□,ª,è,é□B,±,ìf□fbfZ□[fW,đžg,Á,ÁfRf“fgf□□[f<,μ,½CEã,í□Afpj%of□□[f^□[fif“fo□□[.đ Null (7FH, 7FH) ,ÉŸ'è,μ,ÁCEè'€□ì,đ-hž~·,·,é,±,Æ,ª•K—v□B

ŽŸ,ì NRPN ,đžó□M,·,é,±,Æ,ª,Á,«,é□B

NRPN		Data entry	
MSB	LSB	MSB	fpf%of□□[f^□[~¼,Æ'ì,ì'ì
01H	08H	mmH	frfuf%of□[fgfCE□[fg mm : 00H - 40H - 7FH (-64 - 0 - +63)
01H	09H	mmH	frfuf%of□[fgffvfX

		mm : 00H - 40H - 7FH (-64 - 0 - +63)
01H	0AH	mmH frfuf% $\square$ [fgfffBfCfC mm : 00H - 40H - 7FH (-64 - 0 - +63)
01H	20H	mmH ftfBf<f^ $\square$ [fjfbfgflftftfŠfPf“jV $\square$ [ mm : 00H - 40H - 7FH (-64 - 0 - +63)
01H	21H	mmH ftfBf<f^ $\square$ [fCf]fif“fX mm : 00H - 40H - 7FH (-64 - 0 - +63)
01H	63H	mmH EG fAf^fbfNf^fCf€ mm : 00H - 40H - 7FH (-64 - 0 - +63)
01H	64H	mmH EG fffBfPfCf^fCf€ mm : 00H - 40H - 7FH (-64 - 0 - +63)
01H	66H	mmH EG fŠfŠ $\square$ [fXf^fCf€ mm : 00H - 40H - 7FH (-64 - 0 - +63)
14H	rrH	mmH fhf% $\square$ f€ftfBf<f^ $\square$ [fjfbfgflftftfŠfPf“jV $\square$ [ mm : 00H - 40H - 7FH (-64 - 0 - +63) rr : drum instrument note number
15H	rrH	mmH fhf% $\square$ f€ftfBf<f^ $\square$ [fCf]fif“fX mm : 00H - 40H - 7FH (-64 - 0 - +63) rr : drum instrument note number
16H	rrH	mmH fhf% $\square$ f€ EG fAf^fbfNfC $\square$ [fg mm : 00H - 40H - 7FH (-64 - 0 - +63) rr : drum instrument note number
17H	rrH	mmH fhf% $\square$ f€ EG fffBfPfCfC $\square$ [fg mm : 00H - 40H - 7FH (-64 - 0 - +63) rr : drum instrument note number
18H	rrH	mmH fhf% $\square$ f€fCf“fXfgfDf<f $\square$ [“fgfsfbf”fR $\square$ [fX mm : 00H - 40H - 7FH (-64 - 0 - +63) rr : drum instrument note number
19H	rrH	mmH fhf% $\square$ f€fCf“fXfgfDf<f $\square$ [“fgfsfbf”ftf@fCf“ mm : 00H - 40H - 7FH (-64 - 0 - +63) rr : drum instrument note number
1AH	rrH	mmH fhf% $\square$ f€fCf“fXfgfDf<f $\square$ [“fgfCfxf< mm : 00H - 7FH (0 - $\square$ Å’å) rr : drum instrument note number
1CH	rrH	mmH fhf% $\square$ f€fCf“fXfgfDf<f $\square$ [“fgfpf”flfbfg mm : 00H, 01H - 40H - 7FH (f% $\square$ f“f_f€, $\square$ ¶ - ‘t% $\square$ > - % $\square$ E) rr : drum instrument note number
1DH	rrH	mmH fhf% $\square$ f€fCf“fXfgfDf<f $\square$ [“fgfŠfo $\square$ [fufZf“fhfCfxf< mm : 00H - 7FH (0 - $\square$ Å’å) rr : drum instrument note number
1EH	rrH	mmH fhf% $\square$ f€fCf“fXfgfDf<f $\square$ [“fgfR $\square$ [f% $\square$ fXfZf“fhfCfxf< mm : 00H - 7FH (0 - $\square$ Å’å) rr : drum instrument note number
1FH	rrH	mmH fhf% $\square$ f€fCf“fXfgfDf<f $\square$ [“fgfofŠfG $\square$ [fVf#“fZf“fhfCfxf< mm : 00H - 7FH (0 - $\square$ Å’å) rr : drum instrument note number

MSB 14H-1FH  $\square$ ifhf% $\square$ f€—p $\square$ ,lf}f<f` fp $\square$ [fgfpf% $\square$ f $\square$ [f^ $\square$ [ $\square$ i•t•\1-4 $\square$ j,ìPART MODE=DRUMS1, DRUMS2,<sup>a</sup>’I’<sup>ò</sup>,<sup>3</sup>,è,Ä,ç,é $\square$ è $\square$ ‡,ì,Ý—LCE $\square$ B(PART MODE = DRUM, $\square$ è $\square$ ‡,lfGfffBfbfg,Å,«,È,ç)

### 1.2.22 RPN $\square$ ifCfWfXf^ $\square$ [fh fpf% $\square$ f $\square$ [f^ $\square$ [ fif“fo $\square$ [ $\square$ j

Cntrl#	parameter	Data Range
100	RPN LSB	0...127 (Default : 7FH, 7FH)

101 RPN MSB 0...127 (Default : 7FH, 7FH)

fsfbf`fxf`fhfzf`fvfefBfrfefB,âf`f...

□[fjf`fO,È,Ç□Afp□[fg,ì□Y`è,ðflftfZfbfg`l,Å•i□X,·,é,½,ß,ìMIDI□fbfZ□[fW□B

\* ^è`U RPN ,a□Y`è,³,è,é,Æ□A,» ,ìCEã`~ ,¶f`fff`flf<,ÅŽó□M,·,éff□[f^fGf`fgfŠ□[,í□A□Y`è,μ,½RPN,ì`l,Æ,μ,Å□^  
—□,³,è,é□B,±,ìf□fbfZ□[fW,ðŽg,Å,ÅfRf`fgf□□[f<,μ,½CEã,í□Afpf%□□[f^□[fif`fo□[,ðNull (7FH, 7FH)  
,É□Y`è,μ,ÅCEë`€□,ð-hŽ~ ,·,é,±,Æ,³•K—v□B

ŽY,ì RPN ,ðŽó□M,·,é,±,Æ,³,Å,«,é□B

RPN		Data entry		
MSB	LSB	MSB	LSB	
00H	00H	mmH	--	f□p□f%□□[f^□[-¼,Æ`l,ì`í`í` fsfbf`fxf`fhfzf`fvfefBfrfefB mm, l l:00H-18H (0-24`¼%□¹) `¼%□¹P^È,ÅŽfJfNf^□[fu,Ü,Å□Y`è%□Å`\ Default:02H LSB ,ì`l,í-³Ž<,·,é□B
00H	01H	mmH	llH	ftf@fCf`f`f...□[fjf`fO mm:00H-40H-7FH(-64-0-+63)
00H	02H	mmH	--	fR□[fXf`f...□[fjf`fO mm:28H - 40H - 58H(-24 - +24`¼%□¹) LSB ,ì`l,í-³Ž<,·,é□B
7FH	7FH	--	--	RPN Null RPN ,` ,æ,Ñ NRPN`Ô□t,ðflfff`fZf<,·,é□B

**1.2.23 f`fff`flf< f,□[fh f□fbfZ□[fW**

^È%□²,ìf`fff`flf<f,□[fhf□fbfZ□[fW,ðŽó□M,·,é□B

2nd byte	3rd byte	f□fbfZ□[fW
120	0	All Sound Off
121	0	Reset All Controllers
123	0	All Note Off
124	0	Omni Off
125	0	Omni On
126	0 □` 16	Mono
127	0	Poly

**1.2.23.1 All Sound Off□if□[f<ftfEf`fhflft□j**

ŠY`-f`fff`flf<□iŠefp□[fg□j,ì`%□¹t,ì%□¹,ð,·,x,Å□Å%□¹,·,é□B  
,½,¾,μ□Afm□[fgflf` ,âfz□[f<fhflf` ,È,Ç,ìf`fff`flf<f□fbfZ□[fW,ì□ó`Ô,í•ÜŽ□,μ,Ä,t,é□B

**1.2.23.2 Reset All Controllers□ifŠfZfbfgf□[f<fRf`fgf□□[f%□□[□j**

ŽY,ìŠefRf`fgf□□[f%□□[,ì□Y`è,ð□%□Šú`l,È-ß,·□B

fRf`fgf□□[f%□□[	□Y`è`l
fsfbf`fxf`fhf`fFf`fW	□}0 □i`t%□>□j
f`fff`flf<fvfCEfbVff□[	0 □iflft□j
f fŠftfHfjfbfNfAftf^□[f^fbf`	0 □iflft□j
f,fWf...fCE□[fvf#f`	0 □iflft□j
fGfNfXfvfCEfbVf#f`	127 □i□Å`â□j
fz□[f<fh 1	0 □iflft□j
f f<f^f□f`fg	0 □iflft□j
f fXfefk□[fg	0 □iflft□j
f ftfgfyf_f<	0 □iflft□j
f f<f^f□f`fgfRf`fgf□□[f<	Žó□M,μ,½f f<f^f□f`fgf□□[fXfm□[fgif`fo□[,ðflfff`fZf<

RPN "Ö±-çÿ'èó'ÖA,»è,Ü,Åÿ'è,³,è,Ä,ç,½ff[]f^,É%e<¿,Í,È,ç  
NRPN "Ö±-çÿ'èó'ÖA,»è,Ü,Åÿ'è,³,è,Ä,ç,½ff[]f^,É%e<¿,Í,È,ç

**1.2.23.3 All Note Off[]if[]f<fm[]f[]gflft[]**

ŠY"-f^fff"flf<,lfif",µ,Ä,ç,éfm[]fg,ð,·,×,Äflft,·,é[]B  
,½,¾,µ[]Afz[]f<fh1,à,µ,,lfXfefk[]fg,³flf",ì[]è[]±,í[]A,»è,ç,³flft,É,È,é,Ü,Å"‰¹,í[]-¹,µ,È,ç[]B

**1.2.23.4 Omni Off[]if[]f[]f[]ft[]**

f[]f<[]Efm[]fg[]Eflft,ðŽó[]M,µ,½Žž,Æ"-,¶[]^—[],ð[]s,×[]B

**1.2.23.5 Omni On[]if[]f[]f[]ft[]**

f[]f<[]Efm[]fg[]Eflft,ðŽó[]M,µ,½Žž,Æ"-,¶[]^—[],ð[]s,×[]B

**1.2.23.6 Mono[]if,fm[]**

f[]f<[]EftfEf"fh[]Eflft,ðŽó[]M,µ,½Žž,Æ"-,¶[]^—[],ð[]s,ç[]A3rd byte[]if,fm[]"[]j,ª 0 []` 16,ì"í"í"à,É,È,îŠY"-  
f^fff"flf<,ðf,fmf,[]f[]h []iMode4 : m = 1[]j ,É,·,é[]B

**1.2.23.7 Poly[]if[]f[]S[]**

f[]f<[]EftfEf"fh[]Eflft,ðŽó[]M,µ,½Žž,Æ"-,¶[]^—[],ð[]s,ç[]AŠY"-f^fff"flf<,ðf[]f[]Sf,[]f[]h[]iMode3[]j ,É,·,é[]B

**1.3 fv[]f[]of%[]f[]f` fF"fw**

f{fCfX,ð'í'ð,·,é,½,ß,lf[]fbfZ[]fW[]B  
fof"fnfzfcfnfg,Æ'g,Ý[]±,í,¹,ÄŽg—p,·,é,Æ[]AŠî-{f{fCfXfof"fn,¾,·,Ä,È,-  
Šg'Éf{fCfXfof"fn,lf{fCfX,ð'í'ð,Ä,«,é,æ,×,É,È,é[]B  
f}f<f`fp[]fgf[]f%[]f[]f^[]i·t·\1-4[]j,ì Rcv PROGRAM CHANGE = OFF ,ìŽž[]A,»è,lfp[]fg,lfvf[]f[]of  
%[]f[]f`fF"fw,ìŽó[]M,µ,È,ç[]B

**1.4 fsfbf`fxf"fh**

fsfbf`fxf"fhfzfc[]f<,ì%‰'t,ð"" ,ì,Ä[]Afsfbf` ,ð·ï%‰»,³,¹,é[]fbfZ[]fW[]B  
f}f<f`fp[]fgf[]f%[]f[]f^[]i·t·\1-4[]j,ì Rcv PITCH BEND CHANGE = OFF  
,ìŽž[]A,»è,lfp[]fg,lf[]fsfbf`fxf"fh,ìŽó[]M,µ,È,ç[]B

**1.5 f`fff"flf< fAftf^[] f^fbf`**

Œ®"Ö,ð'e,ç,½Œã[]A[]X,É%‰ÿ,µ[]ž,þ<,³,ð"" ,ì,Ä[]A‰¹,É·ï%‰»,ð·t,·,é[]fbfZ[]fW[]B  
[]‰Šúÿ'è,lfifft[]B  
f}f<f`fp[]fgf[]f%[]f[]f^[]i·t·\1-4[]j,ì Rcv CHANNEL AFTER TOUCH=OFF,ìŽž[]A,»è,lfp[]fg,lf`fff"flf< fAftf^[]  
f^fbf` ,ìŽó[]M,µ,È,ç[]B

**1.6 f[]f[]ŠftfHfjfbfNfAftf^[] f^fbf`**

ŠeŒ®"Ö,²,Æ,É[]ACE®"Ö,ð'e,ç,½Œã[]A[]X,É%‰ÿ,µ[]ž,þ<,³,ð"" ,ì,é[]fbfZ[]fW[]B  
[]‰Šúÿ'è,lfifft[]B  
f}f<f`fp[]fgf[]f%[]f[]f^[]i·t·\1-4[]j,ì Rcv POLYPHONIC AFTER TOUCH=OFF,ìŽž[]A,»è,lfp[]fg,lf[]f[]ŠftfHfjfbfN  
fAftf^[] f^fbf` ,ìŽó[]M,µ,È,ç[]B  
fm[]fg"Ö±+36-97,ì"í"í,ì,ÝŒø%‰É,ª,©,©,é[]B

**2. fv[]Xfef€ fGfNfXfNf<[]fv[]fu f[]fbfZ[]fW**

'¾[]Ü"í,É%‰‰'t[]i·ñ,Ä,Í,É,[]AMIDí<@Ší,lfv[]Xfef€,ÉŠÖ,·,é[]ÿ'è,ð[]s,×MIDI[]fbfZ[]fW[]B,±  
,ìMIDI[]fbfZ[]fW,ðŽg,×,Æ[]AŠÖ·"MIDI<@Ší,©,çS-YXG50,ì,Ü,Æ,ñ,Ç,·,×,Ä,ìÿ'è,ðfGfffbf[]fg,·,é,±,Æ,à%‰Ä"  
[]B  
S-YXG50,iff[]ofCfXfif"fo[]l,ì []gAll[]if[]f<[]j[]h,ÉŒÄ'è,³,è,Ä,ç,é[]B

**2.1 fpf%[]f[]f^[] f`fF"fw**

S-YXG50 ,ìA^É%‰ª,lfpf%[]f[]f^[] f`fF"fw,ð^µ,×[]B

[ ftfjfo [ fTf < fŠfAf < f ^ fCf€ f fbZ [ fW ]

- 1) Master Volume

[ ftfjfo [ fTf < fmf " [ EfŠfAf < f ^ fCf€ f fbZ [ fW ]

- 1) General MIDI Mode On

[ XGlfCfefBfufpf%of [ f ^ [ f fFf " fW ]

- 1) XG System on
- 2) XG System Data parameter change
- 3) Multi Effect1 Data parameter change
- 4) Multi Part Data parameter change
- 5) Drums Setup Data parameter change

[ , » , Ì ¼ ]

- 1) Master tuning
- 2) TG300 System Data parameter change
- 3) TG300 Multi Effect Data parameter change
- 4) TG300 Mutli Part Data parameter change

### 2.1.2 ftfjfo [ fTf < fŠfAf < f ^ fCf€ f fbZ [ fW

#### 2.1.2.1 Master Volume [ if } fXf ^ [ f { fŠf ... [ f€ [ j

11110000	F0	Exclusive status
01111111	7F	Universal Real Time
01111111	7F	ID of target device
0000100	04	Sub-ID #1=Device Control Message
0000001	01	Sub-ID #2=Master Volume
0sssssss	ss*	Volume LSB
0ttttttt	tt	Volume MSB
11110111	F7	End of Exclusive
, Û , ½ , Ì A		
11110000	F0	Exclusive status
01111111	7F	Universal Real Time
0xxxnnnn	xn	Device Number, xxx=don't care
0000100	04	Sub-ID #1=Device Control Message
0000001	01	Sub-ID #2=Master Volume
0sssssss	ss	Volume LSB
0ttttttt	tt	Volume MSB
11110111	F7	End of Exclusive

ŽófM, , é, Æ i A Volume MSB , » fVfXfef€f pf%of [ f ^ [ [ i • t • 1-2 [ ] , Ì MASTER VOLUME , É " ½ % of , ³ , è , é [ B

\* 0sssssss , Ì 16 [ i • \CE » ss [ A ' ¼ , à " ~ — I

### 2.1.3 ftfjfo [ fTf < fmf " fŠfAf < f ^ fCf€ f fbZ [ fW

#### 2.1.3.1 General MIDI Mode On [ iGMf , [ fhfif " [ j

11110000	F0	Exclusive status
01111110	7E	Universal Non-Real Time
01111111	7F	ID of target device
00001001	09	Sub-ID #1=General MIDI Message
0000001	01	Sub-ID #2=General MIDI On
11110111	F7	End of Exclusive
, Û , ½ , Ì A		
11110000	F0	Exclusive status
01111110	7E	Universal Non-Real Time
0xxxnnnn	xn	Device Number, xxx=don't care
00001001	09	Sub-ID #1=General MIDI Message



\*S-YXG50, lřffofCfXfif“fo[.ÍgAllifif[<sup>3</sup>h,ÉCEÁ'è,<sup>3</sup>é,Ä,ç,é,ì,ÄAn,í“C^Ó,ì”Žš,Ä,æ,t□B

**2.1'đ,μ,½□gECHO□hfGftfFfNfg,ì Dry/Wet ,đ”¼•ª, ,Ä□iDry=Wet□j,É•İ□X,·.é□ê□±**

,Ü, ,□A□ufGftfFfNfgf%□f□□[<sup>3</sup>f^□[<sup>3</sup>fSfXfg□v,đCE©,Ä□A□gECHO□hfGftfFfNfg,ìDry/Wetf%□f□□[<sup>3</sup>f^□[<sup>3</sup>É,Ä,ç,Ä'²,x,é□B

□“No.10,İf%□f□□[<sup>3</sup>f^□[<sup>3</sup>Ä□ADry=Wet,İValue,İ64 (16□i,Ä40)

ŽŸ,É□f•t•\1-3□,,İVARIATION PARAMETER 10,İ□€,đCE©,Ä□A□Address (High, Mid, Low),ì'1,đ'²,x,é□B

□“High Mid Low = 02 01 54

^É□ä,İff□[<sup>3</sup>f^,đ 2.1.4 XG İfCfefBfuf%□f□□[<sup>3</sup>f^□[<sup>3</sup>f`fF“fW,İŽ® ,É, ,Ä,í,ß,Ä□AS-YXG50,É—□M,·.é□B

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0001nnnn	1n	device Number
01001100	4C	XG Model ID
00000010	02	Address High
00000001	01	Address Mid
01010100	54	Address Low
01000000	40	Data(MSB)□©□Ÿ'è'1
00000000	00	Data(LSB)□©00,ì,Ü,Ü
11110111	F7	End of Exclusive

,±,İff□[<sup>3</sup>f^,đŽó, ,é,Æ□AS-YXG50,ÄCE»□Ÿ'1'đ,<sup>3</sup>é,Ä,ç,éECHO□fGftfFfNfg,ìDry/Wet,ì'1,ª”¼•ª, ,Ä□iDry=Wet□j,É•İ□X,<sup>3</sup>é,é□B

MIDİf□fbfZ□[fW,ì□^—□,É,İŽáŠ±ŽšŠÓ,ª,©,©,è,Ü,·□B

□Ä□Ÿ,·.é%□¹CE¹,ªS-YXG50,ÉCEÁ'è,<sup>3</sup>é,Ä,ç,é□ê□±,İ□A'Sf' fff“fıf<□ıf□[fg□j,İ<É“ª,É<ó“□—□ß,đ□,è□A,» ,±,Éf%□f□□[<sup>3</sup>f^□[<sup>3</sup>f`fF“fW,İfZfbfgfAfbfvff□[<sup>3</sup>f^,đ“ü—Í,·.é,±,Æ,đ, ,·.ß,μ,Ü,·□B

**2.1.4.1 XG System On□iXGfVfXfef€fıf“□j**

11110000	F0	Exclusive status
01000011	43	YAMAHA ID
0001nnnn	1n	device Number
01001100	4C	XG Model ID
00000000	00	Address High
00000000	00	Address Mid
01111110	7E	Address Low
00000000	00	Data
11110111	F7	End of Exclusive

S-YXG50,đ□uXG□v,É□€<',μ,½%□¹CE¹,Æ,μ,Ä<@“\,ª,¹,é,½,ß,İf□fbfZ□[fW□B

,±,İf□fbfZ□[fW,đŽó□M, ,é,Æ□A%□%□'tf,□[fh,đ□uXG□v,É•İ□X,μ□A,·,x,Ä,İf%□f□□[<sup>3</sup>f^□[<sup>3</sup>İ□%□Šú%□» ,ª,é,é□B,ª,ç,ÉNRPN□Afof“fNfZfCEfNfg,É,ç□AXG,É'è<` ,ª,é,½,·,x,Ä,İMIDİf□fbfZ□[fW,ªŽó□M%□Ä“\ ,É□ó'Ó,É,É,é□B

,±,İf□fbfZ□[fW,İŽÀ□s,É,İ□A-ñ50ms,©,©,é,½,ß□AZŸ,İf□fbfZ□[fW,Æ,İŠÓŠu,đ'□^Ó,·.é,±,Æ□B

**2.1.4.2 XG System Data parameter change□iXGfVfXfef€ff□[<sup>3</sup>f^□[<sup>3</sup>f`fF“fW□j**  
□f•t•\1-1□,,□C□f•t•\1-2□,,ŽQ□Æ□B

**2.1.4.3 Multi Effect1 Data parameter change□ıf}f<f`fGftfFfNfg1ff□[<sup>3</sup>f^□[<sup>3</sup>f`fF“fW□j**  
□f•t•\1-1□,,□C□f•t•\1-3□,,ŽQ□Æ□B

**2.1.4.4 Multi Part Data parameter change□ıf}f<f`f□[fgff□[<sup>3</sup>f^□[<sup>3</sup>f`fF“fW□j**  
□f•t•\1-1□,,□C□f•t•\1-4□,,ŽQ□Æ□B

**2.1.4.5 Drums Setup Data parameter change□ıfhf%□f€fZfbfgfAfbfvff□[<sup>3</sup>f^□[<sup>3</sup>f`fF“fW□j**  
□f•t•\1-1□,,□C□f•t•\1-5□,,ŽQ□Æ□B





n : Drum Setup number (0, 1)

f •t•\ 1-2

MIDI Parameter Change table ( SYSTEM ) yXGz

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
00 00 00	4	0000 - 07FF	MASTER TUNE	-102.4 - +102.3[cent]	00 04 00
				1st bit3 - 0 bit15 - 12	
				2nd bit3 - 0 bit11 - 8	
				3rd bit3 - 0 bit7 - 4	
				4th bit3 - 0 bit3 - 0	
04	1	00 - 7F	MASTER VOLUME	0 - 127	7F
05	1	00 - 7F	NOT USED		
06	1	28 - 58	TRANSPOSE	-24 - +24[semitones]	40
7D	n		DRUM SETUP RESET	n=Drum Setup number (0, 1)	
7E	00		XG SYSTEM ON	00=XG System ON (receive only)	
7F	00		ALL PARAMETER RESET	00=ON (receive only)	
TOTAL SIZE	07				

f •t•\ 1-3

MIDI Parameter Change table ( EFFECT 1 ) yXGz

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
02 01 00	2	00 - 7F	REVERB TYPE MSB	<u>ja ÄÄ²iB0½ÄŽQÆ</u>	
01(=HALL1)					
		00 - 7F	REVERB TYPE LSB	00 : basic type	00
02	1	00 - 7F	REVERB PARAMETER 1	<u>ja ÄÉßxÖ°Ä°0½ÄŽQÆ</u>	depends on reverb type
03	1	00 - 7F	REVERB PARAMETER 2	V	V
04	1	00 - 7F	REVERB PARAMETER 3	V	V
05	1	00 - 7F	REVERB PARAMETER 4	V	V
06	1	00 - 7F	REVERB PARAMETER 5	V	V
07	1	00 - 7F	REVERB PARAMETER 6	V	V
08	1	00 - 7F	REVERB PARAMETER 7	V	V
09	1	00 - 7F	REVERB PARAMETER 8	V	V
0A	1	00 - 7F	REVERB PARAMETER 9	V	V
0B	1	00 - 7F	REVERB PARAMETER 10	V	V
0C	1	00 - 7F	REVERB RETURN	-dB...0dB...+6dB (0...64...127)	40
0D	1	01 - 7F	REVERB PAN	L63...C...R63 (1...64...127)	40
TOTAL SIZE	0E				

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
02 01 10	1	00 - 7F	REVERB PARAMETER 11	<u>ja ÄÉßxÖ°Ä°0½ÄŽQÆ</u>	depends on reverb type
11	1	00 - 7F	REVERB PARAMETER 12	V	V
12	1	00 - 7F	REVERB PARAMETER 13	V	V
13	1	00 - 7F	REVERB PARAMETER 14	V	V
14	1	00 - 7F	REVERB PARAMETER 15	V	V

15 1 00 - 7F REVERB PARAMETER 16 □V □V  
 TOTAL SIZE 6

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
02 01 20	2	00 - 7F	CHORUS TYPE MSB	<u>ja_ÄÄ²iBØ½ÄŽQ□Æ</u>	
41(=CHORUS1)					
		00 - 7F	CHORUS TYPE LSB	00 : basic type	00
	22 1	00 - 7F	CHORUS PARAMETER 1	<u>ja_ÄÊßxÖ°Ä°Ø½ÄŽQ□Æ</u>	depends on chorus type
	23 1	00 - 7F	CHORUS PARAMETER 2	□V	□V
	24 1	00 - 7F	CHORUS PARAMETER 3	□V	□V
	25 1	00 - 7F	CHORUS PARAMETER 4	□V	□V
	26 1	00 - 7F	CHORUS PARAMETER 5	□V	□V
	27 1	00 - 7F	CHORUS PARAMETER 6	□V	□V
	28 1	00 - 7F	CHORUS PARAMETER 7	□V	□V
	29 1	00 - 7F	CHORUS PARAMETER 8	□V	□V
	2A 1	00 - 7F	CHORUS PARAMETER 9	□V	□V
	2B 1	00 - 7F	CHORUS PARAMETER 10	□V	□V
	2C 1	00 - 7F	CHORUS RETURN	-□dB...0dB...+6dB (0...64...127)	40
	2D 1	01 - 7F	CHORUS PAN	L63...C...R63 (1...64...127)	40
	2E 1	00 - 7F	SEND CHORUS TO REVERB	-□dB...0dB...+6dB (0...64...127)	00
TOTAL SIZE 0F					

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
02 01 30	1	00 - 7F	CHORUS PARAMETER 11	<u>ja_ÄÊßxÖ°Ä°Ø½ÄŽQ□Æ</u>	depends on chorus type
	31 1	00 - 7F	CHORUS PARAMETER 12	□V	□V
	32 1	00 - 7F	CHORUS PARAMETER 13	□V	□V
	33 1	00 - 7F	CHORUS PARAMETER 14	□V	□V
	34 1	00 - 7F	CHORUS PARAMETER 15	□V	□V
	35 1	00 - 7F	CHORUS PARAMETER 16	□V	□V
TOTAL SIZE 6					

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
02 01 40	2	00 - 7F	VARIATION TYPE MSB	<u>ja_ÄÄ²iBØ½ÄŽQ□Æ</u>	05 (=DELAY L,C,R)
		00 - 7F	VARIATION TYPE LSB	00 : basic type	00
	42 2	00 - 7F	VARIATION PARAMETER 1 MSB	<u>ja_ÄÊßxÖ°Ä°Ø½ÄŽQ□Æ</u>	depends on variation type
		00 - 7F	VARIATION PARAMETER 1 LSB	□V	□V
	44 2	00 - 7F	VARIATION PARAMETER 2 MSB	□V	□V □V
		00 - 7F	VARIATION PARAMETER 2 LSB	□V	□V
	46 2	00 - 7F	VARIATION PARAMETER 3 MSB	□V	□V □V
		00 - 7F	VARIATION PARAMETER 3 LSB	□V	□V
	48 2	00 - 7F	VARIATION PARAMETER 4 MSB	□V	□V □V
		00 - 7F	VARIATION PARAMETER 4 LSB	□V	□V
	4A 2	00 - 7F	VARIATION PARAMETER 5 MSB	□V	□V □V
		00 - 7F	VARIATION PARAMETER 5 LSB	□V	□V

4C	2	00 - 7F	VARIATION PARAMETER 6 MSB		□V □V
		00 - 7F	VARIATION PARAMETER 6 LSB	□V	□V
4E	2	00 - 7F	VARIATION PARAMETER 7 MSB		□V □V
		00 - 7F	VARIATION PARAMETER 7 LSB	□V	□V
50	2	00 - 7F	VARIATION PARAMETER 8 MSB		□V □V
		00 - 7F	VARIATION PARAMETER 8 LSB	□V	□V
52	2	00 - 7F	VARIATION PARAMETER 9 MSB		□V □V
		00 - 7F	VARIATION PARAMETER 9 LSB	□V	□V
54	2	00 - 7F	VARIATION PARAMETER 10 MSB		□V □V
		00 - 7F	VARIATION PARAMETER 10 LSB	□V	□V
56	1	00 - 7F	VARIATION RETURN	-□#dB...0dB...+6dB (0...64...127)	40
57	1	01 - 7F	VARIATION PAN	L63...C...R63 (1...64...127)	40
58	1	00 - 7F	SEND VARIATION TO REVERB	-□#dB...0dB...+6dB (0...64...127)	00
59	1	00 - 7F	SEND VARIATION TO CHORUS	-□#dB...0dB...+6dB (0...64...127)	00
5A	1	00 - 01	VARIATION CONNECTION	0:INSERTION, 1:SYSTEM	00
5B	1	00 - 0F, 7F	VARIATION PART	fp□[fg1...16 = 0...15, OFF = 127	7F
5C	1	00 - 7F	MW VARIATION CONTROL DEPTH		-64 - +63
40					
5D	1	00 - 7F	BEND VARIATION CONTROL DEPTH		-64 - +63
40					
5E	1	00 - 7F	CAT VARIATION CONTROL DEPTH		-64 - +63
40					
5F	1	00 - 7F	AC1 VARIATION CONTROL DEPTH		-64 - +63
40					
60	1	00 - 7F	AC2 VARIATION CONTROL DEPTH		-64 - +63
40					
TOTAL SIZE	21				

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
02 01 70	1	00 - 7F	VARIATION PARAMETER 11	<u>îª ÄËßxÒ°À°Ø½ÄžQ□Æ</u>	depends on variation
type					
71	1	00 - 7F	VARIATION PARAMETER 12	□V	□V
72	1	00 - 7F	VARIATION PARAMETER 13	□V	□V
73	1	00 - 7F	VARIATION PARAMETER 14	□V	□V
74	1	00 - 7F	VARIATION PARAMETER 15	□V	□V
75	1	00 - 7F	VARIATION PARAMETER 16	□V	□V
TOTAL SIZE	6				

#### □f •t•\ 1-4 □,,

MIDI Parameter Change table ( MULTI PART ) □yXG□z

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
08 nn 00, 00,	1	00 - 20	ELEMENT RESERVE	0 - 32	part10 =
nn 01, 7F,	1	00 - 7F	BANK SELECT MSB	0 - 127	other = 02 part10 =

nn						other = 00
nn 02	1	00 - 7F	BANK SELECT LSB	0 - 127		00
nn 03	1	00 - 7F	PROGRAM NUMBER	1 - 128		00
nn 04	1	00 - 0F,7F	Rcv CHANNEL	1 - 16,OFF		part no.
nn 05	1	00 - 01	MONO/POLY MODE	0:MONO, 1:POLY		01
nn 06	1	00 - 02	SAME NOTE NUMBER KEY ON ASSIGN	0:SINGLE 1:MULTI 2:INST (for DRUM)		01
nn 07	1	00 - 03	PART MODE	0:NORMAL 1:DRUM 2 - 3:DRUMS1 - 2		02(Part10)
			00(Part10^EŠO)			
nn 08	1	28 - 58	NOTE SHIFT	-24 - +24 [semitones]		40
nn 09	2	00 - FF	DETUNE	-12.8 - +12.7 [Hz]		08 00
nn 0A				1st bit3-0[]bit7-4 2nd bit3-0[]bit3-0		(80)
nn 0B	1	00 - 7F	VOLUME	0 - 127		64
nn 0C	1	00 - 7F	VELOCITY SENSE DEPTH	0 - 127		40
nn 0D	1	00 - 7F	VELOCITY SENSE OFFSET	0 - 127		40
nn 0E	1	00 - 7F	PAN	0:random, L63...C...R63 (1...64...127)		40
nn 0F	1	00 - 7F	NOTE LIMIT LOW	C-2 - G8		00
nn 10	1	00 - 7F	NOTE LIMIT HIGH	C-2 - G8		7F
nn 11	1	00 - 7F	DRY LEVEL	0 - 127		7F
nn 12	1	00 - 7F	CHORUS SEND	0 - 127		00
nn 13	1	00 - 7F	REVERB SEND	0 - 127		28
nn 14	1	00 - 7F	VARIATION SEND	0 - 127		00
nn 15	1	00 - 7F	VIBRATO RATE	-64 - +63		40
nn 16	1	00 - 7F	VIBRATO DEPTH	-64 - +63		40(drum
part						
nn 17	1	00 - 7F	VIBRATO DELAY	-64 - +63		ignores) 40(drum
part						
nn 18	1	00 - 7F	FILTER CUTOFF FREQUENCY	-64 - +63		ignores) 40
nn 19	1	00 - 7F	FILTER RESONANCE	-64 - +63		40
nn 1A	1	00 - 7F	EG ATTACK TIME	-64 - +63		40
nn 1B	1	00 - 7F	EG DECAY TIME	-64 - +63		40
nn 1C	1	00 - 7F	EG RELEASE TIME	-64 - +63		40
nn 1D	1	28 - 58	MW PITCH CONTROL	-24 - +24 [semitones]		40
nn 1E	1	00 - 7F	MW FILTER CONTROL	-9600 - +9450 [cent]		40
nn 1F	1	00 - 7F	MW AMPLITUDE CONTROL	-64 - +63		40
nn 20	1	00 - 7F	MW LFO PMOD DEPTH	0 - 127		0A
nn 21	1	00 - 7F	MW LFO FMOD DEPTH	0 - 127		00
nn 22	1	00 - 7F	MW LFO AMOD DEPTH	0 - 127		00
nn 23	1	28 - 58	BEND PITCH CONTROL	-24 - +24 [semitones]		42
nn 24	1	00 - 7F	BEND FILTER CONTROL	-9600 - +9450 [cent]		40
nn 25	1	00 - 7F	BEND AMPLITUDE CONTROL			-64 - +63
40						
nn 26	1	00 - 7F	BEND LFO PMOD DEPTH	+100 - +100 [%]		40
nn 27	1	00 - 7F	BEND LFO FMOD DEPTH	+100 - +100 [%]		40
nn 28	1	00 - 7F	BEND LFO AMOD DEPTH	+100 - +100 [%]		40
TOTAL SIZE	29					

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
nn 30	1	00 - 01	Rcv PITCH BEND	0:OFF, 1:ON	01
nn 31	1	00 - 01	Rcv CH AFTER TOUCH (CAT)		0:OFF,
1:ON 01					
nn 32	1	00 - 01	Rcv PROGRAM CHANGE	0:OFF, 1:ON	01
nn 33	1	00 - 01	Rcv CONTROL CHANGE	0:OFF, 1:ON	01
nn 34	1	00 - 01	Rcv POLY AFTER TOUCH (PAT)		0:OFF,
1:ON 01					
nn 35	1	00 - 01	Rcv NOTE MESSAGE	0:OFF, 1:ON	01
nn 36	1	00 - 01	Rcv RPN	0:OFF, 1:ON	01
nn 37	1	00 - 01	Rcv NRPN	0:OFF, 1:ON	XG=01,
GM=00					
nn 38	1	00 - 01	Rcv MODULATION	0:OFF, 1:ON	01
nn 39	1	00 - 01	Rcv VOLUME	0:OFF, 1:ON	01
nn 3A	1	00 - 01	Rcv PAN	0:OFF, 1:ON	01
nn 3B	1	00 - 01	Rcv EXPRESSION	0:OFF, 1:ON	01
nn 3C	1	00 - 01	Rcv HOLD1	0:OFF, 1:ON	01
nn 3D	1	00 - 01	Rcv PORTAMENTO	0:OFF, 1:ON	01
nn 3E	1	00 - 01	Rcv SOSTENUTO	0:OFF, 1:ON	01
nn 3F	1	00 - 01	Rcv SOFT PEDAL	0:OFF, 1:ON	01
nn 40	1	00 - 01	Rcv BANK SELECT	0:OFF, 1:ON	XG=01,
GM=00					
nn 41	1	00 - 7F	SCALE TUNING C	-64 - +63 [cent]	40
nn 42	1	00 - 7F	SCALE TUNING C#	-64 - +63 [cent]	40
nn 43	1	00 - 7F	SCALE TUNING D	-64 - +63 [cent]	40
nn 44	1	00 - 7F	SCALE TUNING D#	-64 - +63 [cent]	40
nn 45	1	00 - 7F	SCALE TUNING E	-64 - +63 [cent]	40
nn 46	1	00 - 7F	SCALE TUNING F	-64 - +63 [cent]	40
nn 47	1	00 - 7F	SCALE TUNING F#	-64 - +63 [cent]	40
nn 48	1	00 - 7F	SCALE TUNING G	-64 - +63 [cent]	40
nn 49	1	00 - 7F	SCALE TUNING G#	-64 - +63 [cent]	40
nn 4A	1	00 - 7F	SCALE TUNING A	-64 - +63 [cent]	40
nn 4B	1	00 - 7F	SCALE TUNING A#	-64 - +63 [cent]	40
nn 4C	1	00 - 7F	SCALE TUNING B	-64 - +63 [cent]	40
nn 4D	1	28 - 58	CAT PITCH CONTROL	-24 - +24 [semitones]	40
nn 4E	1	00 - 7F	CAT FILTER CONTROL	-9600 - +9450 [cent]	40
nn 4F	1	00 - 7F	CAT AMPLITUDE CONTROL	-64 - +63	40
nn 50	1	00 - 7F	CAT LFO PMOD DEPTH	0 - 127	00
nn 51	1	00 - 7F	CAT LFO FMOD EPTH	0 - 127	00
nn 52	1	00 - 7F	CAT LFO AMOD DEPTH	0 - 127	00
nn 53	1	28 - 58	PAT PITCH CONTROL	-24 - +24 [semitones]	40
nn 54	1	00 - 7F	PAT FILTER CONTROL	-9600 - +9450 [cent]	40
nn 55	1	00 - 7F	PAT AMPLITUDE CONTROL	-64 - +63	40
nn 56	1	00 - 7F	PAT LFO PMOD DEPTH	0 - 127	00
nn 57	1	00 - 7F	PAT LFO FMOD DEPTH	0 - 127	00
nn 58	1	00 - 7F	PAT LFO AMOD DEPTH	0 - 127	00
nn 59	1	00 - 5F	AC1 CONTROLLER NUMBER	0 - 95	10
nn 5A	1	28 - 58	AC1 PITCH CONTROL	-24 - +24 [semitones]	40
nn 5B	1	00 - 7F	AC1 FILTER CONTROL	-9600 - +9450 [cent]	40
nn 5C	1	00 - 7F	AC1 AMPLITUDE CONTROL	-64 - +63	40
nn 5D	1	00 - 7F	AC1 LFO PMOD DEPTH	0 - 127	00

nn 5E	1	00 - 7F	AC1 LFO FMOD DEPTH	0 - 127	00
nn 5F	1	00 - 7F	AC1 LFO AMOD DEPTH	0 - 127	00
nn 60	1	00 - 5F	AC2 CONTROLLER NUMBER	0 - 95	11
nn 61	1	28 - 58	AC2 PITCH CONTROL	-24 - +24 [semitones]	40
nn 62	1	00 - 7F	AC2 FILTER CONTROL	-9600 - +9450 [cent]	40
nn 63	1	00 - 7F	AC2 AMPLITUDE CONTROL	-64 - +63	40
nn 64	1	00 - 7F	AC2 LFO PMOD DEPTH	0 - 127	00
nn 65	1	00 - 7F	AC2 LFO FMOD DEPTH	0 - 127	00
nn 66	1	00 - 7F	AC2 LFO AMOD DEPTH	0 - 127	00
nn 67	1	00 - 01	PORTAMENTO SWITCH	0:OFF, 1:ON	00
nn 68	1	00 - 7F	PORTAMENTO TIME	0 - 127	00
nn 69	1	00 - 7F	PITCH EG INITIAL LEVEL	-64 - +63	40
nn 6A	1	00 - 7F	PITCH EG ATTACK TIME	-64 - +63	40
nn 6B	1	00 - 7F	PITCH EG RELEASE LEVEL	-64 - +63	40
nn 6C	1	00 - 7F	PITCH EG RELEASE TIME	-64 - +63	40
nn 6D	1	01 - 7F	VELOCITY LIMIT LOW	1 - 127	01
nn 6E	1	01 - 7F	VELOCITY LIMIT HIGH	1 - 127	7F
TOTAL SIZE	3F				

nn = fp [fgfif"fo [ (0 : Part 1, 1 : Part 2, 2 : Part 3, ... , 15 : Part 16)

DRUM PART ,i [è [A^È%º,ifp%ºf [f^ [ ,íCø%ºÈ,ª,©,©,ç,È,ç [B

[ESOFT PEDAL [EBANK SELECT LSB [EMONO/POLY [ESCALE TUNING  
 [EPORTAMENTO [EPOLY AFTER TOUCH [EPITCH EG INITIAL LEVEL [EPITCH EG ATTACK TIME  
 [EPITCH EG RELEASE LEVEL [EPITCH EG RELEASE TIME

**f •t•\ 1-5 [,,**

MIDI Parameter Change table ( DRUM SETUP ) [yXG[z

Address (H)	Size (H)	Data (H)	Parameter	Description	Default value(H)
3n rr 00	1	00 - 7F	PITCH COARSE	-64 - +63	40
3n rr 01	1	00 - 7F	PITCH FINE	-64 - +63[cent]	40
3n rr 02	1	00 - 7F	LEVEL	0 - 127	depend on the note
3n rr 03	1	00 - 7F	ALTERNATE GROUP	0:OFF, 1 - 127	[V
3n rr 04	1	00 - 7F	PAN	0:random, L63...C...R63 (1...64...127)	[V
3n rr 05	1	00 - 7F	REVERB SEND	0 - 127	[V
3n rr 06	1	00 - 7F	CHORUS SEND	0 - 127	[V
3n rr 07	1	00 - 7F	VARIATION SEND	0 - 127	7F
3n rr 08	1	00 - 01	KEY ASSIGN	0:SINGLE, 1:MULTI	00
3n rr 09	1	00 - 01	Rcv NOTE OFF	0:OFF, 1:ON	depend on the note
3n rr 0A	1	00 - 01	Rcv NOTE ON	0:OFF, 1:ON	01
3n rr 0B	1	00 - 7F	FILTER CUTOFF FREQUENCY	-64 - +63	40
3n rr 0C	1	00 - 7F	FILTER RESONANCE	-64 - +63	40
3n rr 0D	1	00 - 7F	EG ATTACK RATE	-64 - +63	40
3n rr 0E	1	00 - 7F	EG DECAY1 RATE	-64 - +63	40
3n rr 0F	1	00 - 7F	EG DECAY2 RATE	-64 - +63	40
TOTAL SIZE	10				

[ [ ^ Ó ] n : Drum Setup number (0, 1)

rr : note number (0D - 5B)


















XG system on , GM mode on f[]fbfZ[]fW,đŽó[]M,·,é,Æ[]ADrum Setup parameter ,í,·,×,Ä[]%Šú  
%»»,³,ê,é[]B

Drum Setup Reset f[]fbfZ[]fW,É,æ,è[]AŠeDrum Setup parameter ,đ[]%Šú%»»,·,é,±,Æ,ª,Å,«,é[]B  
fhf%of€fZfbfg,đ[]Ø,è'Ö,!,é,Æ[]%Šú%»»,³,ê,é[]B



# XGfm [f}f<f{fCfXfŠfXfg

## fJfefSfŠ [

-  Piano
-  Chromatic Percussion
-  Organ
-  Guitar
-  Bass
-  Strings
-  Ensemble
-  Brass
-  Reed
-  Pipe
-  Synth Lead
-  Synth Pad
-  SynthEffects
-  Ethnic
-  Percussive
-  Sound Effects
-  SFXf{fCfX

## fof“fNfZfEfNfg MSB=000, LSB=fof“fNfif“fo [

- Bank 0:(GM)
- Bank 1:Key Scale Panning
- Bank 3:Stereo
- Bank 6:Single
- Bank 8:Slow
- Bank 12:Fast Decay
- Bank 14:Double Attack
- Bank 16:Bright
- Bank 17:Bright
- Bank 18:Dark
- Bank 19:Dark
- Bank 20:Resonant
- Bank 24:Attack
- Bank 25:Release
- Bank 27:Reso Sweep
- Bank 28:Muted
- Bank 32:Detune 1
- Bank 33:Detune 2
- Bank 34:Detune 3

Bank 35:Octave 1  
 Bank 36:Octave 2  
 Bank 37:5th 1  
 Bank 38:5th 2  
 Bank 39:Bend  
 Bank 40:Tutti  
 Bank 41:Tutti  
 Bank 42:Tutti  
 Bank 43:Velo-Switch  
 Bank 45:Velo-Xfade  
 Bank 64:Other wave  
 Bank 65:Other wave  
 Bank 66:Other wave  
 Bank 67:Other wave  
 Bank 68:Other wave  
 Bank 69:Other wave  
 Bank 70:Other wave  
 Bank 71:Other wave  
 Bank 72:Other wave  
 Bank 96:Other wave  
 Bank 97:Other wave  
 Bank 98:Other wave  
 Bank 99:Other wave  
 Bank 100:Other wave  
 Bank 101:Other wave

fjfeSfS[]

**Piano**

	ìßÛ, Þ×Ñ	ÊÞÝ	ÎÞ²½È°Ñ	´ÙÒÝÄ
	ÄÝÊÞ°	ÄÝÊÞ°		
1	0	GrandPno	1	
	1	GrndPnoK	1	
	18	MelloGrP	1	
	40	PianoStr	2	
	41	Dream	2	
2	0	BritePno	1	
	1	BritPnoK	1	
3	0	E.Grand	2	
	1	EIGrPnoK	2	
	32	Det.CP80	2	
	40	EIGrPno1	2	
	41	EIGrPno2	2	
4	0	HnkyTonk	2	
	1	HnkyTnkK	2	
5	0	E.Piano1	2	



16	0	Dulcimer	1
	35	Dulcimer2	2
	96	Cimbalom	2
	97	Santur	2

fjfejSfS[]

### Organ

ìßÛ, Þ×Ñ ÊÞÝ ÍÞ²½È°Ñ ´ÙÒÝÄ  
 ÅÝÊÞ° ÅÝÊÞ°

17	0	DrawOrgn	1
	32	DetDrwOr	2
	33	60sDrOr1	2
	34	60sDrOr2	2
	35	70sDrOr1	2
	36	DrawOrg2	2
	37	60sDrOr3	2
	38	EvenBar	2
	40	16+2"2/3	2
	64	Organ Ba	1
	65	70sDrOr2	2
	66	CheezOrg	2
	67	DrawOrg3	2
18	0	PercOrgn	1
	24	70sPcOr1	2
	32	DetPrcOr	2
	33	LiteOrg	2
	37	PercOrg2	2
19	0	RockOrgn	2
	64	RotaryOr	2
	65	SloRotar	2
	66	FstRotar	2
20	0	ChrchOrg	2
	32	ChurOrg3	2
	35	ChurOrg2	2
	40	NotreDam	2
	64	OrgFlute	2
	65	TrmOrgFl	2
21	0	ReedOrgn	1
	40	Puff Org	2
22	0	Acordion	2
	32	Accordlt	2
23	0	Harmnica	1
	32	Harmo 2	2
24	0	TangoAcd	2
	64	TngoAcd2	2

fjfeSfS[]

### Guitar

ìßÙ, Þ×Ñ	ÊÞÝ	ÎÞ²½È°Ñ	´ÚÒÝÄ
ÅÝÊÞ°	ÅÝÊÞ°		
25	0	NylonGtr	1
	16	NylonGt2	1
	25	NylonGt3	2
	43	VelGtHrm	2
	96	Ukulele	1
26	0	SteelGtr	1
	16	SteelGt2	1
	35	12StrGtr	2
	40	Nyln&Stl	2
	41	Stl&Body	2
	96	Mandolin	2
27	0	Jazz Gtr	1
	18	MelloGtr	1
	32	JazzAmp	2
28	0	CleanGtr	1
	32	ChorusGt	2
29	0	Mute.Gtr	1
	40	FunkGtr1	2
	41	MuteStlG	2
	43	FunkGtr2	2
	45	Jazz Man	1
30	0	Ovrdrive	1
	43	Gt.Pinch	2
31	0	Dist.Gtr	1
	40	FeedbkGt	2
	41	FeedbGt2	2
32	0	GtrHarmo	1
	65	GtFeedbk	1
	66	GtrHrmo2	1

fjfeSfS[]

### Bass

ìßÙ, Þ×Ñ	ÊÞÝ	ÎÞ²½È°Ñ	´ÚÒÝÄ
ÅÝÊÞ°	ÅÝÊÞ°		
33	0	Aco.Bass	1
	40	JazzRthm	2
	45	VXUprght	2
34	0	FngrBass	1



42	0	Viola	1
43	0	Cello	1
44	0	Contrabs	1
45	0	Trem.Str	1
	8	SlowTrStr	1
	40	Susp Str	2
46	0	Pizz.Str	1
47	0	Harp	1
	40	YangChin	2
48	0	Timpani	1

fjfeSfS[]

### Ensemble

ìßÛ, Þ×Ñ ÊÞÝ ÎÞ²½È°Ñ ´ÚÒÝÄ  
 ÄÝÉÞ° ÄÝÉÞ°

49	0	Strings1	1
	3	S.Strngs	2
	8	SlowStr	1
	24	ArcoStr	2
	35	60sStrng	2
	40	Orchestr	2
	41	Orchstr2	2
	42	TremOrch	2
	45	VeloStr	2
50	0	Strings2	1
	3	S.SlwStr	2
	8	LegatoSt	2
	40	Warm Str	2
	41	Kingdom	2
	64	70s Str	1
	65	Str Ens3	1
51	0	Syn.Str1	2
	27	ResoStr	2
	64	Syn Str4	2
	65	SS Str	2
52	0	Syn.Str2	2
53	0	ChoirAah	1
	3	S.Choir	2
	16	Ch.Aahs2	2
	32	MelChoir	2
	40	ChoirStr	2
54	0	VoiceOoh	1
55	0	SynVoice	1
	40	SynVox2	2
	41	Choral	2

	64	AnaVoice	1
56	0	Orch.Hit	2
	35	OrchHit2	2
	64	Impact	2

fjfeSfS[]

**Brass**

	ìßÛ, Þ×Ñ	ÊÞÝ	ÎÞ²½È°Ñ	´ÙÒÝÄ
	ÅÝÊÞ°	ÅÝÊÞ°		
57	0	Trumpet	1	
	16	Trumpet2	1	
	17	BriteTrp	2	
	32	WarmTrp	2	
58	0	Trombone	1	
	18	Trmbone2	2	
59	0	Tuba	1	
	16	Tuba 2	1	
60	0	Mute.Trp	1	
61	0	Fr.Horn	2	
	6	FrHrSolo	2	
	32	FrHorn2	1	
	37	HornOrch	2	
62	0	BrasSect	1	
	35	Tp&TbSec	2	
	40	BrssSec2	2	
	41	HiBrass	2	
	42	MelloBrs	2	
63	0	SynBras1	2	
	12	QuackBr	2	
	20	RezSynBr	2	
	24	PolyBrss	2	
	27	SynBras3	2	
	32	JumpBrss	2	
	45	AnaVelBr	2	
	64	AnaBrss1	2	
64	0	SynBras2	1	
	18	Soft Brs	2	
	40	SynBras4	2	
	41	ChorBrss	2	
	45	VelBras2	2	
	64	AnaBras2	2	

fjfeSfS[]

**Reed**



<u>İßÜ, Þ×Ñ</u>	<u>ÊÞÝ</u>	<u>ÎÞ²½È°Ñ</u>	<u>´ÚÖÝÄ</u>
<u>ÅÝÊÞ°</u>	<u>ÅÝÊÞ°</u>		
65	0	SprnoSax	1
66	0	Alto Sax	1
	40	Sax Sect	2
	43	HyprAlto	2
67	0	TenorSax	1
	40	BrthTnSx	2
	41	SoftTenr	2
	64	TnrSax 2	1
68	0	Bari.Sax	1
69	0	Oboe	2
70	0	Eng.Horn	1
71	0	Bassoon	1
72	0	Clarinet	1

fJfefsfṣ[

### Pipe

<u>İßÜ, Þ×Ñ</u>	<u>ÊÞÝ</u>	<u>ÎÞ²½È°Ñ</u>	<u>´ÚÖÝÄ</u>
<u>ÅÝÊÞ°</u>	<u>ÅÝÊÞ°</u>		
73	0	Piccolo	1
74	0	Flute	1
75	0	Recorder	1
76	0	PanFlute	1
77	0	Bottle	2
78	0	Shakhchi	2
79	0	Whistle	1
80	0	Ocarina	1

fJfefsfṣ[

### Synth Lead

<u>İßÜ, Þ×Ñ</u>	<u>ÊÞÝ</u>	<u>ÎÞ²½È°Ñ</u>	<u>´ÚÖÝÄ</u>
<u>ÅÝÊÞ°</u>	<u>ÅÝÊÞ°</u>		
81	0	SquareLd	2
	6	Square 2	1
	8	LMSquare	2
	18	Hollow	1
	19	Shmoog	2
	64	Mellow	2
	65	SoloSine	2
	66	SineLead	1
82	0	Saw.Lead	2
	6	Saw 2	1
	8	ThickSaw	2

	18	DynaSaw	1
	19	DigiSaw	2
	20	Big Lead	2
	24	HeavySyn	2
	25	WaspySyn	2
	40	PulseSaw	2
	41	Dr. Lead	2
	45	VeloLead	2
	96	Seq Ana	2
83	0	CaliopLd	2
	65	Pure Pad	2
84	0	Chiff Ld	2
	64	Rubby	2
85	0	CharanLd	2
	64	DistLead	2
	65	WireLead	2
86	0	Voice Ld	2
	24	SynthAah	2
	64	VoxLead	2
87	0	Fifth Ld	2
	35	Big Five	2
88	0	Bass &Ld	2
	16	Big&Low	2
	64	Fat&Prky	2
	65	SoftWurl	2

fj]efSfS[]

### Syhth Pad

ìßÛ, p×Ñ ÉpÝ îp<sup>2</sup>½È°Ñ ´ÚÖYÄ  
 ÅYÉp° ÅYÉp°

89	0	NewAgePd	2
	64	Fantasy2	2
90	0	Warm Pad	2
	16	ThickPad	2
	17	Soft Pad	2
	18	SinePad	2
	64	Horn Pad	2
	65	RotarStr	2
91	0	PolySyPd	2
	64	PolyPd80	2
	65	ClickPad	2
	66	Ana Pad	2
	67	SquarPad	2
92	0	ChoirPad	2
	64	Heaven2	2

	66	Itopia	2
	67	CC Pad	2
93	0	BowedPad	2
	64	Glacier	2
	65	GlassPad	2
94	0	MetalPad	2
	64	Tine Pad	2
	65	Pan Pad	2
95	0	Halo Pad	2
96	0	SweepPad	2
	20	Shwimmer	2
	27	Converge	2
	64	PolarPad	2
	66	Celstial	2

fjfejsfS[]

### Synth Effects

ìßÛ, Þ×Ñ ÊÞÝ\_ îÞ²½È°Ñ ´ÚÖÿÄ  
 ÄÝÊÞ° ÄÝÊÞ°

97	0	Rain	2
	45	ClaviPad	2
	64	HrmoRain	2
	65	AfrcnWnd	2
	66	Caribbean	2
98	0	SoundTrk	2
	27	Prologue	2
	64	Ancestrl	2
99	0	Crystal	2
	12	SynDrCmp	2
	14	Popcorn	2
	18	TinyBell	2
	35	RndGlock	2
	40	GlockChi	2
	41	ClearBel	2
	42	ChorBell	2
	64	SynMalet	1
	65	SftCryst	2
	66	LoudGlok	2
	67	XmasBell	2
	68	VibeBell	2
	69	DigiBell	2
	70	AirBells	2
	71	BellHarp	2
	72	Gamelmba	2
100	0	Atmosphr	2

	18	WarmAtms	2
	19	HollwRIs	2
	40	NylonEP	2
	64	NylnHarp	2
	65	Harp Vox	2
	66	AtmosPad	2
	67	Planet	2
101	0	Bright	2
	64	FantaBel	2
	96	Smokey	2
102	0	Goblins	2
	64	GobSyn	2
	65	50sSciFi	2
	66	Ring Pad	2
	67	Ritual	2
	68	ToHeaven	2
	70	Night	2
	71	Glisten	2
	96	BelChoir	2
103	0	Echoes	2
	8	EchoPad2	2
	14	Echo Pan	2
	64	EchoBell	2
	65	Big Pan	2
	66	SynPiano	2
	67	Creation	2
	68	Stardust	2
	69	Reso Pan	2
104	0	Sci-Fi	2
	64	Starz	2

fjJefSfŠ□□

**Ethnic**

	ìßÙ, Þ×Ñ	ÊÞÝ	ÎÞ½È°Ñ	´ÙÒÝÄ
	ÅÝÊÞ°	ÅÝÊÞ°		
105	0	Sitar	1	
	32	DetSitar	2	
	35	Sitar 2	2	
	96	Tambra	2	
	97	Tamboura	2	
106	0	Banjo	1	
	28	MuteBnjo	1	
	96	Rabab	2	
	97	Gopichnt	2	
	98	Oud	2	

107	0	Shamisen	1
108	0	Koto	1
	96	T. Koto	2
	97	Kanoon	2
109	0	Kalimba	1
110	0	Bagpipe	2
111	0	Fiddle	1
112	0	Shanai	1
	64	Shanai2	1
	96	Pungi	1
	97	Hichriki	2

fjfeSfS[]

### Percussive

ì¸Û, Þ×Ñ ÊÞÝ ÌÞ²½È°Ñ ´ÚÒÝÄ  
 ÅÝÊÞ° ÅÝÊÞ°

113	0	TnkIBell	2
	96	Bonang	2
	97	Gender	2
	98	Gamelan	2
	99	S.Gamlan	2
	100	Rama Cym	2
	101	AsianBel	2
114	0	Agogo	2
115	0	SteelDrm	2
	97	GlasPerc	2
	98	ThaiBell	2
116	0	WoodBlok	1
	96	Castanet	1
117	0	TaikoDrm	1
	96	Gr.Cassa	1
118	0	MelodTom	2
	64	Mel Tom2	1
	65	Real Tom	2
	66	Rock Tom	2
119	0	Syn.Drum	1
	64	Ana Tom	1
	65	ElecPerc	2
120	0	RevCymb1	1

fjfeSfS[]

### Sound Effects

ì¸Û, Þ×Ñ ÊÞÝ ÌÞ²½È°Ñ ´ÚÒÝÄ  
 ÅÝÊÞ° ÅÝÊÞ°

121	0	FretNoiz	2
122	0	BrthNoiz	2
123	0	Seashore	2
124	0	Tweet	2
125	0	Telephone	1
126	0	Helicptr	1
127	0	Applause	1
128	0	Gunshot	1

**fof“fNfZfCfNfg MSB=064, LSB=000**  
**SFXf{fCfX**

îßÛ, p×Ñ MSB=064 'ÚÖYÄ

ÅÝÊp° LSB=000

1	CuttngNz	1
2	CttngNz2	2
3	----	
4	Str Slap	1
5	----	
6	----	
7	----	
8	----	
9	----	
10	----	
11	----	
12	----	
13	----	
14	----	
15	----	
16	----	
17	FI.KClik1	
18	----	
19	----	
20	----	
21	----	
22	----	
23	----	
24	----	
25	----	
26	----	
27	----	
28	----	
29	----	
30	----	
31	----	

32	----	
33	Rain	1
34	Thunder	1
35	Wind	1
36	Stream	2
37	Bubble	2
38	Feed	2
39	----	
40	----	
41	----	
42	----	
43	----	
44	----	
45	----	
46	----	
47	----	
48	----	
49	Dog	1
50	Horse	1
51	Bird	2 1
52	----	
53	----	
54	----	
55	Ghost	2
56	Maou	2
57	----	
58	----	
59	----	
60	----	
61	----	
62	----	
63	----	
64	----	
65	Tel.Dial	1
66	DoorSqek	1
67	Door Slam	1
68	Scratch	1
69	Scratch	2 2
70	WindChm	1
71	Telphon2	1
72	----	
73	----	
74	----	
75	----	
76	----	
77	----	
78	----	

79	----	
80	----	
81	CarEngin	1
82	Car Stop	1
83	Car Pass	1
84	CarCrash	1
85	Siren	2
86	Train	1
87	Jetplane	2
88	Starship	2
89	Burst	2
90	Coaster	2
91	SbMarine	2
92	----	
93	----	
94	----	
95	----	
96	----	
97	Laughing	1
98	Scream1	
99	Punch	1
100	Heart	1
101	FootStep	1
102	----	
103	----	
104	----	
105	----	
106	----	
107	----	
108	----	
109	----	
110	----	
111	----	
112	----	
113	MchinGun	1
114	LaserGun	2
115	Xplosion	2
116	FireWork	2
117	----	
118	----	
119	----	
120	----	
121	----	
122	----	
123	----	
124	----	
125	----	



126 ----

127 ----

128 ----

---- : %o<sup>1</sup>,Í-Â,è,Û,<sup>1</sup>,ñ



# XGfhf%of€f{fCfXfŠfXfg

¥fŠfXfg,ì€©•û

--- : %oo¹,í-Â,è,Û,¹,ñ

\* Alt. a. (Alternate assign : flf<f^fl[]fgfAFTfCf"),Æ,í□A"~,¶lfOf<□[fv"à,ì%oo¹,ª"~Žž,É-Â,ç,È,ç,æ,æ,É,·,éOf<□[fv□Y'è,ì<@"\,Â,·□B,½,Æ,ì,ì.fOf<□[fv1,ìêê#□AfNf□□[YfnfCfnfbfg,Æf[]fvf"fnfCfnfbfg,í"~Žž,É,í-Â,è,Û,¹,ñ□B

## fLfbfgf[]f€

### Standard Kit

### Standard 2 Kit

### Room Kit

### Rock Kit

### Electro Kit

### Analog Kit

### Jazz Kit

### Brush Kit

### Classic Kit

### SFX 1

### SFX 2

Bank 127

### Program # 1: Standard Kit

Note #	Note	Key off	Alt. a.	Voice Name
13	C#-1		3	Surdo Mute
14	D -1		3	Surdo Open
15	D#-1			Hi Q
16	E -1			Whip Slap
17	F -1		4	Scratch Push
18	F#-1		4	Scratch Pull
19	G -1			Finger Snap
20	G#-1			Click Noise
21	A -1			Metronome Clic
22	A#-1			Metronome Bell
23	B -1			Seq Click L
24	C 0			Seq Click H
25	C# 0			Brush Tap
26	D 0	*		Brush Swirl L
27	D# 0			Brush Sla

28	E 0	*	Brush Swirl H
29	F 0	*	Snare Roll
30	F# 0		Castanet
31	G 0		Snare L
32	G# 0		Sticks
33	A 0		Bass Drum L
34	A# 0		Open Rim Shot
35	B 0		Bass Drum M
36	C 1		Bass Drum H
37	C# 1		Side Stick
38	D 1		Snare M
39	D# 1		Hand Clap
40	E 1		Snare H
41	F 1		Floor Tom L
42	F# 1	1	Hi-Hat Closed
43	G 1		Floor Tom H
44	G# 1	1	Hi-Hat Pedal
45	A 1		Low Tom
46	A# 1	1	Hi-Hat Open
47	B 1		Mid Tom L
48	C 2		Mid Tom H
49	C# 2		Crash Cymbal 1
50	D 2		High Tom
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	*	Samba Whistle H
72	C 4	*	Samba Whistle L
73	C# 4		Guiro Short
74	D 4	*	Guiro Long

75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4		Cuica Mute
79	G 4		Cuica Open
80	G# 4	2	Triangle Mute
81	A 4	2	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		----
86	D 5		----
87	D# 5		----
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----

**Bank 127**

**Program # 2: Standard 2 Kit**

Note #	Note	Key off	Alt. a.	Voice Name
13	C#-1		3	Surdo Mute
14	D -1		3	Surdo Open
15	D#-1			Hi Q
16	E -1			Whip Slap
17	F -1		4	Scratch Push
18	F#-1		4	Scratch Pull
19	G -1			Finger Snap
20	G#-1			Click Noise
21	A -1			Metronome Clic
22	A#-1			Metronome Bell
23	B -1			Seq Click L
24	C 0			Seq Click H
25	C# 0			Brush Tap
26	D 0	*		Brush Swirl L
27	D# 0			Brush Sla
28	E 0	*		Brush Swirl H
29	F 0	*		Snare Roll 2
30	F# 0			Castanet
31	G 0			Snare L 2
32	G# 0			Sticks
33	A 0			Bass Drum L
34	A# 0			Open Rim Shot 2
35	B 0			Bass Drum M 2
36	C 1			Bass Drum H 2

37	C# 1		Side Stick
38	D 1		Snare M 2
39	D# 1		Hand Clap
40	E 1		Snare H 2
41	F 1		Floor Tom L
42	F# 1	1	Hi-Hat Closed
43	G 1		Floor Tom H
44	G# 1	1	Hi-Hat Pedal
45	A 1		Low Tom
46	A# 1	1	Hi-Hat Open
47	B 1		Mid Tom L
48	C 2		Mid Tom H
49	C# 2		Crash Cymbal 1
50	D 2		High Tom
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	*	Samba Whistle H
72	C 4	*	Samba Whistle L
73	C# 4		Guiro Short
74	D 4	*	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4		Cuica Mute
79	G 4		Cuica Open
80	G# 4	2	Triangle Mute
81	A 4	2	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell

84	C 5	Bell Tree
85	C# 5	----
86	D 5	----
87	D# 5	----
88	E 5	----
89	F 5	----
90	F# 5	----
91	G 5	----

**Bank 127**

**Program # 9: Room Kit**

Note #	Note	Key off	Alt. a.	Voice Name
13	C#-1		3	Surdo Mute
14	D -1		3	Surdo Open
15	D#-1			Hi Q
16	E -1			Whip Slap
17	F -1		4	Scratch Push
18	F#-1		4	Scratch Pull
19	G -1			Finger Snap
20	G#-1			Click Noise
21	A -1			Metronome Clic
22	A#-1			Metronome Bell
23	B -1			Seq Click L
24	C 0			Seq Click H
25	C# 0			Brush Tap
26	D 0	*		Brush Swirl L
27	D# 0			Brush Sla
28	E 0	*		Brush Swirl H
29	F 0	*		Snare Roll
30	F# 0			Castanet
31	G 0			Snare L
32	G# 0			Sticks
33	A 0			Bass Drum L
34	A# 0			Open Rim Shot
35	B 0			Bass Drum M
36	C 1			Bass Drum H
37	C# 1			Side Stick
38	D 1			SD Room L
39	D# 1			Hand Clap
40	E 1			SD Room H
41	F 1			Room Tom 1
42	F# 1		1	Hi-Hat Closed
43	G 1			Room Tom 2
44	G# 1		1	Hi-Hat Pedal
45	A 1			Room Tom 3

46	A# 1	1	Hi-Hat Open
47	B 1		Room Tom 4
48	C 2		Room Tom 5
49	C# 2		Crash Cymbal 1
50	D 2		Room Tom 6
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	*	Samba Whistle H
72	C 4	*	Samba Whistle L
73	C# 4		Guiro Short
74	D 4	*	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4		Cuica Mute
79	G 4		Cuica Open
80	G# 4	2	Triangle Mute
81	A 4	2	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		----
86	D 5		----
87	D# 5		----
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----

**Bank 127****Program # 17: Rock Kit**

<u>Note #</u>	<u>Note</u>	<u>Key off</u>	<u>Alt. a.</u>	<u>Voice Name</u>
13	C#-1		3	Surdo Mute
14	D -1		3	Surdo Open
15	D#-1			Hi Q
16	E -1			Whip Slap
17	F -1		4	Scratch Push
18	F#-1		4	Scratch Pull
19	G -1			Finger Snap
20	G#-1			Click Noise
21	A -1			Metronome Clic
22	A#-1			Metronome Bell
23	B -1			Seq Click L
24	C 0			Seq Click H
25	C# 0			Brush Tap
26	D 0	*		Brush Swirl L
27	D# 0			Brush Sla
28	E 0	*		Brush Swirl H
29	F 0	*		Snare Roll
30	F# 0			Castanet
31	G 0			SD Rock M
32	G# 0			Sticks
33	A 0			Bass Drum M
34	A# 0			Open Rim Shot
35	B 0			Bass Drum H 3
36	C 1			BD Rock
37	C# 1			Side Stick
38	D 1			SD Rock
39	D# 1			Hand Clap
40	E 1			SD Rock Rim
41	F 1			Rock Tom 1
42	F# 1		1	Hi-Hat Closed
43	G 1			Rock Tom 2
44	G# 1		1	Hi-Hat Pedal
45	A 1			Rock Tom 3
46	A# 1		1	Hi-Hat Open
47	B 1			Rock Tom 4
48	C 2			Rock Tom 5
49	C# 2			Crash Cymbal 1
50	D 2			Rock Tom 6
51	D# 2			Ride Cymbal 1
52	E 2			Chinese Cymbal
53	F 2			Ride Cymbal Cup
54	F# 2			Tambourine



55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	*	Samba Whistle H
72	C 4	*	Samba Whistle L
73	C# 4		Guiro Short
74	D 4	*	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4		Cuica Mute
79	G 4		Cuica Open
80	G# 4	2	Triangle Mute
81	A 4	2	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		----
86	D 5		----
87	D# 5		----
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----

**Bank 127**

**Program # 25: Electro Kit**

Note #	Note	Key off	Alt. a.	Voice Name
13	C#-1		3	Surdo Mute
14	D -1		3	Surdo Open
15	D#-1			Hi Q
16	E -1			Whip Slap

17	F -1	4	Scratch Push
18	F#-1	4	Scratch Pull
19	G -1		Finger Snap
20	G#-1		Click Noise
21	A -1		Metronome Clic
22	A#-1		Metronome Bell
23	B -1		Seq Click L
24	C 0		Seq Click H
25	C# 0		Brush Tap
26	D 0	*	Brush Swirl L
27	D# 0		Brush Sla
28	E 0	*	Reverse Cymbal
29	F 0	*	Snare Roll
30	F# 0		Hi Q
31	G 0		Snare M
32	G# 0		Sticks
33	A 0		Bass Drum H 4
34	A# 0		Open Rim Shot
35	B 0		BD Rock
36	C 1		BD Gate
37	C# 1		Side Stick
38	D 1		SD Rock L
39	D# 1		Hand Clap
40	E 1		SD Rock H
41	F 1		E Tom 1
42	F# 1	1	Hi-Hat Closed
43	G 1		E Tom 2
44	G# 1	1	Hi-Hat Pedal
45	A 1		E Tom 3
46	A# 1	1	Hi-Hat Open
47	B 1		E Tom 4
48	C 2		E Tom 5
49	C# 2		Crash Cymbal 1
50	D 2		E Tom 6
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open

64	E	3		Conga L
65	F	3		Timbale H
66	F#	3		Timbale L
67	G	3		Agogo H
68	G#	3		Agogo L
69	A	3		Cabasa
70	A#	3		Maracas
71	B	3	*	Samba Whistle H
72	C	4	*	Samba Whistle L
73	C#	4		Guiro Short
74	D	4	*	Guiro Long
75	D#	4		Claves
76	E	4		Wood Block H
77	F	4		Wood Block L
78	F#	4		Scratch Push
79	G	4		Scratch Pull
80	G#	4	2	Triangle Mute
81	A	4	2	Triangle Open
82	A#	4		Shaker
83	B	4		Jingle Bell
84	C	5		Bell Tree
85	C#	5		----
86	D	5		----
87	D#	5		----
88	E	5		----
89	F	5		----
90	F#	5		----
91	G	5		----

**Bank 127**

**Program # 26: Analog Kit**

<u>Note #</u>	<u>Note</u>	<u>Key off</u>	<u>Alt. a.</u>	<u>Voice Name</u>
13	C#-1		3	Surdo Mute
14	D -1		3	Surdo Open
15	D#-1			Hi Q
16	E -1			Whip Slap
17	F -1		4	Scratch Push
18	F#-1		4	Scratch Pull
19	G -1			Finger Snap
20	G#-1			Click Noise
21	A -1			Metronome Clic
22	A#-1			Metronome Bell
23	B -1			Seq Click L
24	C 0			Seq Click H
25	C# 0			Brush Tap

26	D 0	*	Brush Swirl L
27	D# 0		Brush Sla
28	E 0	*	Reverse Cymbal
29	F 0	*	Snare Roll 2
30	F# 0		Hi Q
31	G 0		SD Rock H
32	G# 0		Sticks
33	A 0		Bass Drum M
34	A# 0		Open Rim Shot
35	B 0		BD Analog L
36	C 1		BD Analog H
37	C# 1		Analog Side Stick
38	D 1		Analog Snare L
39	D# 1		Hand Clap
40	E 1		Analog Snare H
41	F 1		Analog Tom 1
42	F# 1	1	Analog HH Closed 1
43	G 1		Analog Tom 2
44	G# 1	1	Analog HH Closed 2
45	A 1		Analog Tom 3
46	A# 1	1	Analog HH Open
47	B 1		Analog Tom 4
48	C 2		Analog Tom 5
49	C# 2		Analog Cymbal
50	D 2		Analog Tom 6
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Analog Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Analog Conga H
63	D# 3		Analog Conga M
64	E 3		Analog Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Analog Maracas
71	B 3	*	Samba Whistle H
72	C 4	*	Samba Whistle L

73	C# 4		Guiro Short
74	D 4	*	Guiro Long
75	D# 4		Analog Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4		Scratch Push
79	G 4		Scratch Pull
80	G# 4	2	Triangle Mute
81	A 4	2	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		----
86	D 5		----
87	D# 5		----
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----

**Bank 127**

**Program # 33: Jazz Kit**

Note #	Note	Key off	Alt. a.	Voice Name
13	C#-1		3	Surdo Mute
14	D -1		3	Surdo Open
15	D#-1			Hi Q
16	E -1			Whip Slap
17	F -1		4	Scratch Push
18	F#-1		4	Scratch Pull
19	G -1			Finger Snap
20	G#-1			Click Noise
21	A -1			Metronome Clic
22	A#-1			Metronome Bell
23	B -1			Seq Click L
24	C 0			Seq Click H
25	C# 0			Brush Tap
26	D 0	*		Brush Swirl L
27	D# 0			Brush Sla
28	E 0	*		Brush Swirl H
29	F 0	*		Snare Roll
30	F# 0			Castanet
31	G 0			Snare L
32	G# 0			Sticks
33	A 0			Bass Drum L
34	A# 0			Open Rim Shot

35	B	0	Bass Drum M
36	C	1	BD Jazz
37	C#	1	Side Stick
38	D	1	Snare M
39	D#	1	Hand Clap
40	E	1	Snare H
41	F	1	Jazz Tom 1
42	F#	1	1 Hi-Hat Closed
43	G	1	Jazz Tom 2
44	G#	1	1 Hi-Hat Pedal
45	A	1	Jazz Tom 3
46	A#	1	1 Hi-Hat Open
47	B	1	Jazz Tom 4
48	C	2	Jazz Tom 5
49	C#	2	Crash Cymbal 1
50	D	2	Jazz Tom 6
51	D#	2	Ride Cymbal 1
52	E	2	Chinese Cymbal
53	F	2	Ride Cymbal Cup
54	F#	2	Tambourine
55	G	2	Splash Cymbal
56	G#	2	Cowbell
57	A	2	Crash Cymbal 2
58	A#	2	Vibraslap
59	B	2	Ride Cymbal 2
60	C	3	Bongo H
61	C#	3	Bongo L
62	D	3	Conga H Mute
63	D#	3	Conga H Open
64	E	3	Conga L
65	F	3	Timbale H
66	F#	3	Timbale L
67	G	3	Agogo H
68	G#	3	Agogo L
69	A	3	Cabasa
70	A#	3	Maracas
71	B	3	* Samba Whistle H
72	C	4	* Samba Whistle L
73	C#	4	Guiro Short
74	D	4	* Guiro Long
75	D#	4	Claves
76	E	4	Wood Block H
77	F	4	Wood Block L
78	F#	4	Scratch Push
79	G	4	Scratch Pull
80	G#	4	2 Triangle Mute
81	A	4	2 Triangle Open

82	A# 4	Shaker
83	B 4	Jingle Bell
84	C 5	Bell Tree
85	C# 5	----
86	D 5	----
87	D# 5	----
88	E 5	----
89	F 5	----
90	F# 5	----
91	G 5	----

**Bank 127**

**Program # 41: Brush Kit**

Note #	Note	Key off	Alt. a.	Voice Name
13	C#-1		3	Surdo Mute
14	D -1		3	Surdo Open
15	D#-1			Hi Q
16	E -1			Whip Slap
17	F -1		4	Scratch Push
18	F#-1		4	Scratch Pull
19	G -1			Finger Snap
20	G#-1			Click Noise
21	A -1			Metronome Clic
22	A#-1			Metronome Bell
23	B -1			Seq Click L
24	C 0			Seq Click H
25	C# 0			Brush Tap
26	D 0	*		Brush Swirl L
27	D# 0			Brush Sla
28	E 0	*		Brush Swirl H
29	F 0	*		Snare Roll
30	F# 0			Castanet
31	G 0			Brush Slap L
32	G# 0			Sticks
33	A 0			Bass Drum L
34	A# 0			Open Rim Shot
35	B 0			Bass Drum M
36	C 1			BD Soft
37	C# 1			Side Stick
38	D 1			Brush Slap M
39	D# 1			Hand Clap
40	E 1			Brush Tap H
41	F 1			Brush Tom 1
42	F# 1		1	Hi-Hat Closed
43	G 1			Brush Tom 2

44	G# 1	1	Hi-Hat Pedal
45	A 1		Brush Tom 3
46	A# 1	1	Hi-Hat Open
47	B 1		Brush Tom 4
48	C 2		Brush Tom 5
49	C# 2		Crash Cymbal 1
50	D 2		Brush Tom 6
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	*	Samba Whistle H
72	C 4	*	Samba Whistle L
73	C# 4		Guiro Short
74	D 4	*	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4		Cuica Mute
79	G 4		Cuica Open
80	G# 4	2	Triangle Mute
81	A 4	2	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		----
86	D 5		----
87	D# 5		----
88	E 5		----
89	F 5		----
90	F# 5		----



91 G 5 ----

**Bank 127**

**Program # 49: Classic Kit**

<u>Note #</u>	<u>Note</u>	<u>Key off</u>	<u>Alt. a.</u>	<u>Voice Name</u>
13	C#-1		3	Surdo Mute
14	D -1		3	Surdo Open
15	D#-1			Hi Q
16	E -1			Whip Slap
17	F -1		4	Scratch Push
18	F#-1		4	Scratch Pull
19	G -1			Finger Snap
20	G#-1			Click Noise
21	A -1			Metronome Clic
22	A#-1			Metronome Bell
23	B -1			Seq Click L
24	C 0			Seq Click H
25	C# 0			Brush Tap
26	D 0	*		Brush Swirl L
27	D# 0			Brush Sla
28	E 0	*		Brush Swirl H
29	F 0	*		Snare Roll
30	F# 0			Castanet
31	G 0			Snare L
32	G# 0			Sticks
33	A 0			Bass Drum L2
34	A# 0			Open Rim Shot
35	B 0			Gran Cassa
36	C 1			Gran Cassa Mute
37	C# 1			Side Stick
38	D 1			Marching Sn M
39	D# 1			Hand Clap
40	E 1			Marching Sn H
41	F 1			Jazz Tom 1
42	F# 1		1	Hi-Hat Closed
43	G 1			Jazz Tom 2
44	G# 1		1	Hi-Hat Pedal
45	A 1			Jazz Tom 3
46	A# 1		1	Hi-Hat Open
47	B 1			Jazz Tom 4
48	C 2			Jazz Tom 5
49	C# 2			Hand Cym.Open L
50	D 2			Jazz Tom 6
51	D# 2			Hand Cym.Closed L
52	E 2			Chinese Cymbal

53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Hand Cym.Open H
58	A# 2		Vibraslap
59	B 2		Hand Cym.Closed H
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	*	Samba Whistle H
72	C 4	*	Samba Whistle L
73	C# 4		Guiro Short
74	D 4	*	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4		Cuica Mute
79	G 4		Cuica Open
80	G# 4	2	Triangle Mute
81	A 4	2	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		----
86	D 5		----
87	D# 5		----
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----

**Bank 126**  
**Program # 1: SFX 1**

Note #	Note	Key off	Alt. a.	Voice Name
13	C#-1		3	----
14	D-1		3	----

15	D#-1		----
16	E -1		----
17	F -1	4	----
18	F#-1	4	----
19	G -1		----
20	G#-1		----
21	A -1		----
22	A#-1		----
23	B -1		----
24	C 0		----
25	C# 0		----
26	D 0	*	----
27	D# 0		----
28	E 0	*	----
29	F 0	*	----
30	F# 0		----
31	G 0		----
32	G# 0		----
33	A 0		----
34	A# 0		----
35	B 0		----
36	C 1		Guitar Cutting Noise
37	C# 1		Guitar Cutting Noise 2
38	D 1		----
39	D# 1		String Slap
40	E 1		----
41	F 1		----
42	F# 1	1	----
43	G 1		----
44	G# 1	1	----
45	A 1		----
46	A# 1	1	----
47	B 1		----
48	C 2		----
49	C# 2		----
50	D 2		----
51	D# 2		----
52	E 2		FL.Key Click
53	F 2		----
54	F# 2		----
55	G 2		----
56	G# 2		----
57	A 2		----
58	A# 2		----
59	B 2		----
60	C 3		----
61	C# 3		----

62	D 3		----
63	D# 3		----
64	E 3		----
65	F 3		----
66	F# 3		----
67	G 3		----
68	G# 3		Rain
69	A 3		Thunder
70	A# 3		Wind
71	B 3	*	Stream
72	C 4	*	Bubble
73	C# 4		Feed
74	D 4	*	----
75	D# 4		----
76	E 4		----
77	F 4		----
78	F# 4		----
79	G 4		----
80	G# 4	2	----
81	A 4	2	----
82	A# 4		----
83	B 4		----
84	C 5		Dog
85	C# 5		Horse Gallop
86	D 5		Bird 2
87	D# 5		----
88	E 5		----
89	F 5		----
90	F# 5		Ghost
91	G 5		Maou

**Bank 126**  
**Program # 2: SFX 2**

<u>Note #</u>	<u>Note</u>	<u>Key off</u>	<u>Alt. a.</u>	<u>Voice Name</u>
13	C#-1		3	----
14	D -1		3	----
15	D#-1			----
16	E -1			----
17	F -1		4	----
18	F#-1		4	----
19	G -1			----
20	G#-1			----
21	A -1			----
22	A#-1			----
23	B -1			----

















24	C 0		----	
25	C# 0		----	
26	D 0	*	----	
27	D# 0		----	
28	E 0	*	----	
29	F 0	*	----	
30	F# 0		----	
31	G 0		----	
32	G# 0		----	
33	A 0		----	
34	A# 0		----	
35	B 0		----	
36	C 1			Dial Tone
37	C# 1			Door Creaking
38	D 1			Door Slam
39	D# 1			Scratch
40	E 1			Scratch 2
41	F 1			Windchime
42	F# 1	1		Telephone Ring2
43	G 1		----	
44	G# 1	1	----	
45	A 1		----	
46	A# 1	1	----	
47	B 1		----	
48	C 2		----	
49	C# 2		----	
50	D 2		----	
51	D# 2		----	
52	E 2			Engine Start
53	F 2			Tire Screech
54	F# 2			Car Passing
55	G 2			Crash
56	G# 2			Siren
57	A 2			Train
58	A# 2			Jetplane
59	B 2			Starship
60	C 3			Burst Noise
61	C# 3			Coaster
62	D 3			SbMarine
63	D# 3		----	
64	E 3		----	
65	F 3		----	
66	F# 3		----	
67	G 3		----	
68	G# 3			Laughing
69	A 3			Screaming
70	A# 3			Punch

71	B 3	*		Heartbeat
72	C 4	*		Footsteps
73	C# 4			----
74	D 4	*		----
75	D# 4			----
76	E 4			----
77	F 4			----
78	F# 4			----
79	G 4			----
80	G# 4		2	----
81	A 4		2	----
82	A# 4			----
83	B 4			----
84	C 5			Machine Gun
85	C# 5			Laser Gun
86	D 5			Explosion
87	D# 5			FireWork
88	E 5			----
89	F 5			----
90	F# 5			----
91	G 5			----

 **Soft TG300Bfm** [f}f<f{fCfXfŠfXfg

fof“fNfZfCfNfg MSB=fof“fNfif“fo[], LSB=000

fJfefSfŠ[]

-  **Soft Piano**
-  **Soft Chromatic Percussion**
-  **Soft Organ**
-  **Soft Guitar**
-  **Soft Bass**
-  **Soft Strings**
-  **Ensemble**
-  **Soft Brass**
-  **Soft Reed**
-  **Pipe**
-  **Soft Synth Lead**
-  **Soft Synth Pad**
-  **SynthEffects**
-  **Ethnic**
-  **Percussive**
-  **Soft Sound Effects**

fJfefSfŠ[]

**Piano**

ìßÙ, Þ×Ñ	ÊÞÝ,	îÞ²½È°Ñ	´ÚÒYÄ
ÄÝÊÞ°	ÄÝÊÞ°		
1	0	GrandPno	1
	8	GrndPnoK	1
	16	MelloGrP	1
	126	A-Piano1	2
	127	a.piano1	1
2	0	BritePno	1

	8	BritPnoK	1
	126	A-Piano2	2
	127	a.piano2	1
3	0	E.Grand	2
	1	ElGrPno1	2
	2	ElGrPno2	2
	8	ElGrPnoK	2
	126	A-Piano3	2
	127	a.piano3	1
4	0	HnkyTonk	2
	8	HnkyTnkK	2
	126	A-Piano4	2
	127	e.piano1	1
5	0	E.Piano1	2
	8	Chor.EP1	2
	16	VX El.P1	2
	24	60sEl.P	1
	25	HardEl.P	2
	26	MelloEP1	2
	32	El.Pno1K	1
	126	A-Piano5	1
	127	e.piano2	1
6	0	E.Piano2	2
	8	Chor.EP2	2
	16	VX El.P2	2
	24	DX Hard	2
	32	El.Pno2K	1
	126	A-Piano6	1
	127	e.piano3	1
7	0	Harpsi.	1
	8	Harpsi.3	2
	16	Harpsi.K	1
	24	Harpsi.2	2
	126	A-Piano7	1
	127	e.piano4	1
8	0	Clavi.	2
	8	Clavi. K	1
	126	E-Piano1	2
	127	hnkytnk	2

fjfeSfš[]

### Chromatic Percussion

ìßÚ, p×Ñ ÊpÝ, îp²½È°Ñ ´ÚÖYÄ

ÅÝÊp° ÅÝÊp°

9	0	Celesta	1
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	126	E-Piano2	2
	127	e.organ1	2
10	0	Glocken	1
	126	E-Piano3	2
	127	e.organ2	2
11	0	MusicBox	2
	126	A-Guitr1	1
	127	e.organ3	1
12	0	Vibes	1
	1	HardVibe	2
	8	VibesK	1
	126	A-Guitr2	2
	127	e.organ4	1
13	0	Marimba	1
	8	MarimbaK	1
	17	Balafon2	2
	24	Log Drum	2
	126	A-Guitr3	2
	127	pipeorg1	2
14	0	Xylophon	1
	126	E-Guitr1	2
	127	pipeorg2	2
15	0	TubulBel	1
	8	ChrchBel	2
	9	Carillon	2
	126	E-Guitr2	1
	127	pipeorg3	2
16	0	Dulcimer	1
	1	Dulcimer2	2
	8	Cimbalom	2
	126	Slap-1	2
	127	acordion	2

fjfeSfš[]

### Organ

ìßÛ, Þ×Ñ ÊÞÝ, îÞ²½È°Ñ ´ÚÓÿÄ  
 ÅÝÊÞ° ÅÝÊÞ°

17	0	DrawOrgn	1
	1	70sDrOr1	2
	8	DetDrwOr	2
	9	70sDrOr2	2
	16	60sDrOr1	2
	17	60sDrOr2	2
	18	60sDrOr3	2
	24	CheezOrg	2

	32	DrawOrg2	2
	33	EvenBar	2
	40	Organ Ba	1
	126	Slap-2	2
	127	harpsi1	1
18	0	PercOrgn	1
	1	70sPcOr1	2
	8	DetPrcOr	2
	32	PercOrg2	2
	126	Slap-3	2
	127	harpsi2	2
19	0	RockOrgn	2
	8	RotaryOr	2
	16	SloRotar	2
	24	FstRotar	2
	126	Slap-4	2
	127	harpsi3	1
20	0	ChrchOrg	2
	8	ChurOrg2	2
	16	ChurOrg3	2
	24	OrgFlute	2
	32	TrmOrgFl	2
	126	Slap-5	2
	127	clavi1	1
21	0	ReedOrgn	1
	126	Slap-6	2
	127	clavi2	1
22	0	Acordion	2
	8	Accordlt	2
	126	Slap-7	2
	127	clavi3	1
23	0	Harmnica	1
	1	Harmo 2	2
	126	Slap-8	2
	127	celesta1	1
24	0	TangoAcid	2
	126	Finger-1	1
	127	celesta2	1

fjfeSfS[]

### Guitar

ìßÛ, Þ×Ñ ÊÞÝ, ÎÞ½È°Ñ ´ÙÒÝÄ

ÅÝÊÞ° ÅÝÊÞ°

25	0	NylonGtr	1
	8	Ukulele	1

	16	NylonGt3	2
	24	VelGtHrm	2
	32	NylonGt2	1
	40	LequintG	1
	126	Finger-2	2
	127	synbras1	2
26	0	SteelGtr	1
	8	12StrGtr	2
	9	Nyln&Stl	2
	16	Mandolin	2
	32	SteelGt2	1
	126	Picked-1	1
	127	synbras2	2
27	0	Jazz Gtr	1
	1	MelloGtr	1
	8	PdISteel	1
	126	Picked-2	2
	127	synbras3	2
28	0	CleanGtr	1
	8	ChorusGt	2
	126	FretIsBs	1
	127	synbras4	2
29	0	Mute.Gtr	1
	8	FunkGtr1	2
	16	FunkGtr2	2
	126	A-Bass	2
	127	synbass1	1
30	0	Ovrdrive	1
	126	Choir-1	1
	127	synbass2	1
31	0	Dist.Gtr	1
	8	FeedbkGt	2
	9	FeedbGt2	2
	126	Choir-2	1
	127	synbass3	2
32	0	GtrHarmo	1
	8	GtFeedbk	1
	126	Choir-3	2
	127	synbass4	1

fJfefsSfS[]

**Bass**

ìßÚ, p×Ñ ÊpÝ, îp²½È°Ñ ´ÚÖYÄ

ÅÝÊp° ÅÝÊp°

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33	0	Aco.Bass	1
----	---	----------	---

	126	Choir-4	2
	127	newagepd	2
34	0	FngrBass	1
	1	FngBass2	2
	126	Strngs-1	2
	127	synharmo	2
35	0	PickBass	1
	8	MutePkBa	1
	126	Strngs-2	2
	127	choir pd	2
36	0	Fretless	1
	1	Fretles2	2
	2	Fretles3	2
	3	Fretles4	2
	4	SynFretl	2
	5	Smooth	2
	126	Strngs-3	2
	127	bowed pd	2
37	0	SlapBas1	1
	8	ResoSlap	1
	126	Strngs-4	2
	127	soundtrk	2
38	0	SlapBas2	1
	126	E-Organ1	2
	127	atmosphr	2
39	0	SynBass1	1
	1	SynBa1Dk	1
	8	AcidBass	1
	9	FastResB	1
	10	TeknoBa	2
	16	ResoBass	1
	126	E-Organ2	2
	127	syn warm	2
40	0	SynBass2	2
	1	ClkSynBa	2
	2	ModulrBa	2
	3	Seq Bass	2
	8	DX Bass	2
	9	X WireBa	2
	16	RubberBa	2
	17	SynBa2Dk	1
	18	MelloSB1	1
	19	SmthBa 2	2
	126	E-Organ3	2
	127	synfunny	1

fjfeSfŠ[]

## Strings

ì¸Ù, Þ×Ñ	ÊÞÝ,	î¸²½È°Ñ	´ÙÒÝÄ
ÅÝÊ¸°	ÅÝÊ¸°		
41	0	Violin	1
	8	SlowVln	1
	126	E-Organ4	2
	127	synecho1	2
42	0	Viola	1
	126	E-Organ5	2
	127	rain	2
43	0	Cello	1
	126	E-Organ6	2
	127	synoboe	2
44	0	Contrabs	1
	126	E-Organ7	2
	127	synecho2	2
45	0	Trem.Str	1
	8	SlowTrStr	1
	9	Susp Str	2
	126	E-Organ8	2
	127	synsolo	2
46	0	Pizz.Str	1
	126	E-Organ9	2
	127	synrdorg	2
47	0	Harp	1
	126	SoftTP-1	1
	127	synbell	1
48	0	Timpani	1
	126	SoftTP-2	1
	127	squareld	2

fjfeSfŠ[]

## Ensemble

ì¸Ù, Þ×Ñ	ÊÞÝ,	î¸²½È°Ñ	´ÙÒÝÄ
ÅÝÊ¸°	ÅÝÊ¸°		
49	0	Strings1	1
	1	Slow Str	1
	8	Orchestr	2
	9	Orchstr2	2
	10	TremOrch	2
	11	ChoirStr	2
	16	S.Strngs	2
	24	VeloStr	2
	126	TP/TRB-1	1

	127	strsect1	2
50	0	Strings2	1
	1	70s Str	1
	8	LegatoSt	2
	9	Warm Str	2
	10	S.SlwStr	2
	126	TP/TRB-2	1
	127	strsect2	2
51	0	Syn.Str1	2
	1	Syn Str4	2
	126	TP/TRB-3	1
	127	strsect3	2
52	0	Syn.Str2	2
	126	TP/TRB-4	1
	127	pizz.str	1
53	0	ChoirAah	1
	8	S.Choir	2
	9	MelChoir	2
	32	Ch.Aahs2	2
	126	TP/TRB-5	2
	127	violin 1	2
54	0	VoiceOoh	1
	126	TP/TRB-6	2
	127	violin 2	1
55	0	SynVoice	1
	8	SynVox2	2
	126	Sax-1	1
	127	cello 1	1
56	0	Orch.Hit	2
	1	OrchHit2	2
	8	Impact	2
	16	LoFiRave	2
	126	Sax-2	1
	127	cello 2	1

fjJefSfS[]

### Brass

ìßÛ, Þ×Ñ ÊÞÝ, ÎÞ²½È°Ñ ´ÚÒÿÄ  
 ÄÝÉÞ° ÄÝÉÞ°

57	0	Trumpet	1
	1	Trumpet2	1
	24	BriteTrp	2
	25	WarmTrp	2
	126	Sax-3	1
	127	contrabs	1

58	0	Trombone	1
	1	Trmbone2	2
	126	Sax-4	2
	127	harp 1	1
59	0	Tuba	1
	1	Tuba 2	1
	126	Brass-1	1
	127	harp 2	1
60	0	Mute.Trp	1
	126	Brass-2	1
	127	guitar 1	1
61	0	Fr.Horn	2
	1	FrHorn2	2
	8	FrHrSolo	1
	16	HornOrch	2
	126	Brass-3	2
	127	guitar 2	1
62	0	BrasSect	1
	8	BrssSec2	2
	126	Brass-4	2
	127	elecgr1	2
63	0	SynBras1	2
	1	PolyBrss	2
	8	SynBras3	2
	9	QuackBr	2
	16	AnaBrss1	2
	126	Brass-5	2
	127	elecgr2	2
64	0	SynBras2	1
	1	Soft Brs	2
	8	SynBras4	2
	16	AnaBrss2	2
	17	VelBras2	2
	126	Orch-Hit	1
	127	sitar	1

fjfeSfS[]

**Reed**

ìßÛ, Þ×Ñ ÊÞÝ, ÎÞ²½È°Ñ ´ÚÒÝÄ

ÅÝÊÞ° ÅÝÊÞ°

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65	0	SprnoSax	1
	127	a.bass 1	1
66	0	Alto Sax	1
	8	HyprAlto	2
	127	a.bass 2	1

67	0	TnrSax 2	1
	8	BrthTnSx	2
	127	e.bass 1	1
68	0	Bari.Sax	1
	127	e.bass 2	1
69	0	Oboe	2
	127	slapbas1	1
70	0	Eng.Horn	1
	127	slapbas2	1
71	0	Bassoon	1
	127	fretles1	1
72	0	Clarinet	1
	127	fretles2	1

### fjfejsfš[]

#### Pipe

	ìšÛ, Þ×Ñ	ÊÞÝ,	ÎÞ²½È°Ñ	´ÚÒÝÄ
	ÅÝÊÞ°	ÅÝÊÞ°		
73	0	Piccolo	1	
	127	flute1	1	
74	0	Flute	1	
	127	flute2	1	
75	0	Recorder	1	
	127	piccolo1	1	
76	0	PanFlute	1	
	127	piccolo2	2	
77	0	Bottle	2	
	127	recorder	1	
78	0	Shakhchi	2	
	127	panpipes	2	
79	0	Whistle	1	
	127	sax1	2	
80	0	Ocarina	1	
	127	sax2	1	

### fjfejsfš[]

#### Synth Lead

	ìšÛ, Þ×Ñ	ÊÞÝ,	ÎÞ²½È°Ñ	´ÚÒÝÄ
	ÅÝÊÞ°	ÅÝÊÞ°		
81	0	SquareLd	2	
	1	Square 2	1	
	2	Hollow	1	
	3	Mellow	2	
	4	SoloSine	2	



	5	Shmoog	2
	6	LMSquare	2
	8	SineLead	1
	127	sax3	1
82	0	Saw.Lead	2
	1	Saw 2	1
	2	PulseSaw	2
	3	ThickSaw	2
	4	Big Lead	2
	5	VeloLead	2
	6	HeavySyn	2
	7	DynaSaw	1
	8	Dr. Lead	2
	16	WaspySyn	2
	127	sax4	1
83	0	CaliopLd	2
	2	Pure Pad	2
	127	clarint1	1
84	0	Chiff Ld	2
	127	clarint2	1
85	0	CharanLd	2
	8	DistLead	2
	127	oboe	1
86	0	Voice Ld	2
	127	eng.horn	1
87	0	Fifth Ld	2
	1	Big Five	2
	127	bassoon	1
88	0	Bass &Ld	2
	1	Big&Low	2
	2	Fat&Prky	2
	127	harmnica	1

fJfefsfs[]

### Synth Pad

ìßÛ, p×Ñ ÊpÝ, îp²½È°Ñ ´ÚÓŸÄ  
 ÅÝÊp° ÅÝÊp°

89	0	NewAgePd	2
	1	Fantasy2	2
	127	trumpet1	1
90	0	Warm Pad	2
	1	ThickPad	2
	2	Horn Pad	2
	3	RotarStr	2
	4	Soft Pad	2

	127	trumpet2	1
91	0	PolySyPd	2
	1	PolyPd80	2
	127	trmbone1	2
92	0	ChoirPad	2
	1	Heaven2	2
	127	trmbone2	2
93	0	BowedPad	2
	127	fr.horn1	1
94	0	MetalPad	2
	1	Tine Pad	2
	2	Pan Pad	2
	127	fr.horn2	2
95	0	Halo Pad	2
	127	tuba	2
96	0	SweepPad	2
	1	PolarPad	2
	8	Converge	2
	9	Shwimmer	2
	10	Celstial	2
	127	brssect1	1

fjfejsfS[]

### Synth Effects

ìßÛ, Þ×Ñ ÊÞÝ, îÞ²½È°Ñ ´ÚÒÝÄ

ÅÝÊÞ° ÅÝÊÞ°

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97	0	Rain	2
	1	HrmoRain	2
	2	AfrcnWnd	2
	8	ClaviPad	2
	127	brssect2	2
98	0	SoundTrk	2
	1	Ancestrl	2
	2	Prologue	2
	127	vibe1	1
99	0	Crystal	2
	1	SynMalet	1
	2	SftCryst	2
	3	RndGlock	2
	4	LoudGlok	2
	5	GlockChi	2
	6	ClearBel	2
	7	XmasBell	2
	8	VibeBell	2
	9	DigiBell	2

	16	ChorBell	2
	17	AirBells	2
	18	BellHarp	2
	19	Gamelmba	2
	127	vibe2	1
100	0	Atmosphr	2
	1	WarmAtms	2
	2	NylnHarp	2
	3	Harp Vox	2
	4	HollwRls	2
	5	NylonEP	2
	6	AtmosPad	2
	127	symallet	1
101	0	Bright	2
	127	maletwin	2
102	0	Goblins	2
	1	GobSyn	2
	2	50sSciFi	2
	127	glocken	2
103	0	Echoes	2
	1	EchoBell	2
	2	Echo Pan	2
	3	EchoPad2	2
	4	Big Pan	2
	6	SynPiano	2
	127	tubulbel	1
104	0	Sci-Fi	2
	1	Starz	2
	127	xylophen	1

fjfeSfS[]

### Ethnic

ìßÚ, Þ×Ñ ÊÞÝ, ÎÞ²½È°Ñ ´ÚÖÿÄ

ÅÝÊÞ° ÅÝÊÞ°

105	0	Sitar	1
	1	Sitar 2	2
	2	DetSitar	2
	8	Tambra	2
	16	Tamboura	2
	127	marimba	2
106	0	Banjo	1
	1	MuteBnjo	1
	8	Rabab	2
	16	Gopichnt	2
	24	Oud	2

	127	koto	1
107	0	Shamisen	1
	127	sho	2
108	0	Koto	1
	8	T. Koto	2
	16	Kanoon	2
	127	shakhchi	2
109	0	Kalimba	1
	127	whistle1	2
110	0	Bagpipe	2
	127	whistle2	1
111	0	Fiddle	1
	127	bottle	2
112	0	Shanai	1
	1	Shanai2	1
	8	Pungi	1
	16	Hichriki	2
	127	breath	2

fjJefSfS[]

### Percussive

ìßÛ, Þ×Ñ ÊÞÝ, ÎÞ½È°Ñ ´ÚÖÄ  
 ÅÝÊÞ° ÅÝÊÞ°

113	0	TnklBell	2
	8	Bonang	2
	9	Gender	2
	10	Gamelan	2
	11	S.Gamlan	2
	16	Rama Cym	2
	127	timpani	1
114	0	Agogo	2
	127	melotom	1
115	0	SteelDrm	2
	127	deepsnar	1
116	0	WoodBlok	1
	8	Castanet	1
	127	e.perc1	1
117	0	TaikoDrm	1
	8	Gr.Cassa	1
	127	e.perc2	1
118	0	MelodTom	2
	1	Real Tom	2
	8	Mel Tom2	1
	9	Rock Tom	2
	127	taiko	1

119	0	Syn.Drum	1
	8	Ana Tom	1
	9	ElecPerc	2
	127	taikorim	1
120	0	RevCymb1	1
	127	cymbal	2

fjfejSfS[]

### Sound Effects

ìßÛ, Þ×Ñ ÊÞÝ, ÎÞ²½È°Ñ ´ÚÒÝÄ

ÅÝÊÞ° ÅÝÊÞ°

121	0	FretNoiz	2
	1	CuttngNz	1
	2	Str Slap	1
	3	CttngNz2	2
	127	castanet	1
122	0	BrthNoiz	2
	1	Fl.KClik	1
	127	triangle	1
123	0	Seashore	2
	1	Rain	1
	2	Thunder	1
	3	Wind	1
	4	Stream	2
	5	Bubble	2
	127	orchehit	1
124	0	Tweet	2
	1	Dog	1
	2	Horse	1
	3	Bird 2	1
	127	telephone	1
125	0	Telephone	1
	1	Tel.Dial	1
	2	DoorSqek	1
	3	DoorSlam	1
	4	Scratch	1
	5	WindChm	1
	6	Scratch2	2
	127	bird	1
126	0	Helicptr	1
	1	CarEngin	1
	2	Car Stop	1
	3	Car Pass	1
	4	CarCrash	1
	5	Siren	2

	6	Train	1
	7	Jetplane	2
	8	Starship	2
	9	Burst	2
	16	Coaster	2
	127	jam	1
127	0	Applause	1
	1	Laughing	1
	2	Scream	1
	3	Punch	1
	4	Heart	1
	5	FootStep	1
	127	efctwatr	2
128	0	Gunshot	1
	1	MchinGun	1
	2	LaserGun	2
	3	Xplosion	2
	127	efctjngl	2



# Soft TG300B fhf%of€f{fCfXfŠfXfg

¥fŠfXfg,ì€©•û

--- : %o¹,í-Â,è,Û,¹,ñ

\* Alt. a. (Alternate assign : flf<f^fl[]fgfAftfCf"),Æ,í[]A"~,¶lfOf<[]fv"à,ì%o¹,ª"~Žž,É-Â,ç,È,ç,æ,x,É,·,éfOf<[]fv[]Y'è,ì<@"\,Å,·[]B,½,Æ,ì,ìfOf<[]fv1,ìê[]#[]AfNf[][]fYfnfCfnfbfg,Æf[][]fvf"fnfCfnfbfg,í"~Žž,É,í-Â,è,Û,¹,ñ[]B

## fLfbfgfI[]lf€

### Standard Kit

### Room Kit

### Power Kit

### Electro Kit

### Analog Kit

### Jazz Kit

### Brush Kit

### Orchestra Kit

### SFX Set

### C/M Kit

## Program # 1: Standard Kit

Note #	Note	Alt. a.	Voice Name
25	C# 0		Snare Roll
26	D 0		Finger Snap
27	D# 0		Hi Q
28	E 0		Whip Slap
29	F 0	7	Scratch Push
30	F# 0	7	Scratch Pull
31	G 0		Sticks
32	G# 0		Click Noise
33	A 0		Metronome Click
34	A# 0		Metronome Bell
35	B 0		Bass Drum M
36	C 1		Bass Drum H
37	C# 1		Side Stick
38	D 1		Snare M
39	D# 1		Hand Clap
40	E 1		Snare H
41	F 1		Floor Tom L
42	F# 1	1	Hi-Hat Closed

43	G 1		Floor Tom H
44	G# 1	1	Hi-Hat Pedal
45	A 1		Low Tom
46	A# 1	1	Hi-Hat Open
47	B 1		Mid Tom L
48	C 2		Mid Tom H
49	C# 2		Crash Cymbal 1
50	D 2		High Tom
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	2	Samba Whistle H
72	C 4	2	Samba Whistle L
73	C# 4	3	Guiro Short
74	D 4	3	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4	4	Cuica Mute
79	G 4	4	Cuica Open
80	G# 4	5	Triangle Mute
81	A 4	5	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		Castanet
86	D 5	6	Surdo Mute
87	D# 5	6	Surdo Open
88	E 5		----
89	F 5		----



90	F# 5	----
91	G 5	----
92	G# 5	----
93	A 5	----
94	A# 5	----
95	B 5	----
96	C 6	----
97	C# 6	----
98	D 6	----
99	D# 6	----
100	E 6	----
101	F 6	----
102	F# 6	----
103	G 6	----
104	G# 6	----
105	A 6	----
106	A# 6	----
107	B 6	----
108	C 7	----

### Program # 9: Room Kit

Note #	Note	Alt. a.	Voice Name
25	C# 0		Snare Roll
26	D 0		Finger Snap
27	D# 0		Hi Q
28	E 0		Whip Slap
29	F 0	7	Scratch Push
30	F# 0	7	Scratch Pull
31	G 0		Sticks
32	G# 0		Click Noise
33	A 0		Metronome Click
34	A# 0		Metronome Bell
35	B 0		Bass Drum M
36	C 1		Bass Drum H
37	C# 1		Side Stick
38	D 1		Snare M
39	D# 1		Hand Clap
40	E 1		Snare H
41	F 1		Room Tom 1
42	F# 1	1	Hi-Hat Closed
43	G 1		Room Tom 2
44	G# 1	1	Hi-Hat Pedal
45	A 1		Room Tom 3
46	A# 1	1	Hi-Hat Open
47	B 1		Room Tom 4

48	C 2		Room Tom 5
49	C# 2		Crash Cymbal 1
50	D 2		Room Tom 6
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	2	Samba Whistle H
72	C 4	2	Samba Whistle L
73	C# 4	3	Guiro Short
74	D 4	3	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4	4	Cuica Mute
79	G 4	4	Cuica Open
80	G# 4	5	Triangle Mute
81	A 4	5	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		Castanet
86	D 5	6	Surdo Mute
87	D# 5	6	Surdo Open
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----
92	G# 5		----
93	A 5		----
94	A# 5		----

95	B 5	----
96	C 6	----
97	C# 6	----
98	D 6	----
99	D# 6	----
100	E 6	----
101	F 6	----
102	F# 6	----
103	G 6	----
104	G# 6	----
105	A 6	----
106	A# 6	----
107	B 6	----
108	C 7	----

### Program # 17: Power Kit

Note #	Note	Alt. a.	Voice Name
25	C# 0		Snare Roll
26	D 0		Finger Snap
27	D# 0		Hi Q
28	E 0		Whip Slap
29	F 0	7	Scratch Push
30	F# 0	7	Scratch Pull
31	G 0		Sticks
32	G# 0		Click Noise
33	A 0		Metronome Click
34	A# 0		Metronome Bell
35	B 0		Bass Drum M
36	C 1		BD Power
37	C# 1		Side Stick
38	D 1		SD Power
39	D# 1		Hand Clap
40	E 1		Snare H
41	F 1		Room Tom 1
42	F# 1	1	Hi-Hat Closed
43	G 1		Room Tom 2
44	G# 1	1	Hi-Hat Pedal
45	A 1		Room Tom 3
46	A# 1	1	Hi-Hat Open
47	B 1		Room Tom 4
48	C 2		Room Tom 5
49	C# 2		Crash Cymbal 1
50	D 2		Room Tom 6
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal

53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	2	Samba Whistle H
72	C 4	2	Samba Whistle L
73	C# 4	3	Guiro Short
74	D 4	3	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4	4	Cuica Mute
79	G 4	4	Cuica Open
80	G# 4	5	Triangle Mute
81	A 4	5	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		Castanet
86	D 5	6	Surdo Mute
87	D# 5	6	Surdo Open
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----
92	G# 5		----
93	A 5		----
94	A# 5		----
95	B 5		----
96	C 6		----
97	C# 6		----
98	D 6		----
99	D# 6		----

100	E 6	----
101	F 6	----
102	F# 6	----
103	G 6	----
104	G# 6	----
105	A 6	----
106	A# 6	----
107	B 6	----
108	C 7	----

### Program # 25: Electro Kit

Note #	Note	Alt. a.	Voice Name
25	C# 0		Snare Roll
26	D 0		Finger Snap
27	D# 0		Hi Q
28	E 0		Whip Slap
29	F 0	7	Scratch Push
30	F# 0	7	Scratch Pull
31	G 0		Sticks
32	G# 0		Click Noise
33	A 0		Metronome Click
34	A# 0		Metronome Bell
35	B 0		Bass Drum M
36	C 1		BD Electronic
37	C# 1		Side Stick
38	D 1		SD Electronic
39	D# 1		Hand Clap
40	E 1		SD Power
41	F 1		E Tom 1
42	F# 1	1	Hi-Hat Closed
43	G 1		E Tom 2
44	G# 1	1	Hi-Hat Pedal
45	A 1		E Tom 3
46	A# 1	1	Hi-Hat Open
47	B 1		E Tom 4
48	C 2		E Tom 5
49	C# 2		Crash Cymbal 1
50	D 2		E Tom 6
51	D# 2		Ride Cymbal 1
52	E 2		Reverse Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2

58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	2	Samba Whistle H
72	C 4	2	Samba Whistle L
73	C# 4	3	Guiro Short
74	D 4	3	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4	4	Cuica Mute
79	G 4	4	Cuica Open
80	G# 4	5	Triangle Mute
81	A 4	5	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		Castanet
86	D 5	6	Surdo Mute
87	D# 5	6	Surdo Open
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----
92	G# 5		----
93	A 5		----
94	A# 5		----
95	B 5		----
96	C 6		----
97	C# 6		----
98	D 6		----
99	D# 6		----
100	E 6		----
101	F 6		----
102	F# 6		----
103	G 6		----
104	G# 6		----

105	A 6	----
106	A# 6	----
107	B 6	----
108	C 7	----

### Program # 26: Analog Kit

Note #	Note	Alt. a.	Voice Name
25	C# 0		Snare Roll
26	D 0		Finger Snap
27	D# 0		Hi Q
28	E 0		Whip Slap
29	F 0	7	Scratch Push
30	F# 0	7	Scratch Pull
31	G 0		Sticks
32	G# 0		Click Noise
33	A 0		Metronome Click
34	A# 0		Metronome Bell
35	B 0		Bass Drum M
36	C 1		BD Analog H
37	C# 1		Analog Side Stick
38	D 1		Analog Snare L
39	D# 1		Hand Clap
40	E 1		Snare H
41	F 1		Analog Tom 1
42	F# 1	1	Analog HH Closed 1
43	G 1		Analog Tom 2
44	G# 1	1	Analog HH Closed 2
45	A 1		Analog Tom 3
46	A# 1	1	Analog HH Open
47	B 1		Analog Tom 4
48	C 2		Analog Tom 5
49	C# 2		Analog Cymbal
50	D 2		Analog Tom 6
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Analog Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L

62	D 3		Analog Conga H
63	D# 3		Analog Conga M
64	E 3		Analog Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Analog Maracas
71	B 3	2	Samba Whistle H
72	C 4	2	Samba Whistle L
73	C# 4	3	Guiro Short
74	D 4	3	Guiro Long
75	D# 4		Analog Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4	4	Cuica Mute
79	G 4	4	Cuica Open
80	G# 4	5	Triangle Mute
81	A 4	5	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		Castanet
86	D 5	6	Surdo Mute
87	D# 5	6	Surdo Open
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----
92	G# 5		----
93	A 5		----
94	A# 5		----
95	B 5		----
96	C 6		----
97	C# 6		----
98	D 6		----
99	D# 6		----
100	E 6		----
101	F 6		----
102	F# 6		----
103	G 6		----
104	G# 6		----
105	A 6		----
106	A# 6		----
107	B 6		----
108	C 7		----



### Program # 33: Jazz Kit

Note #	Note	Alt. a.	Voice Name
25	C# 0		Snare Roll
26	D 0		Finger Snap
27	D# 0		Hi Q
28	E 0		Whip Slap
29	F 0	7	Scratch Push
30	F# 0	7	Scratch Pull
31	G 0		Sticks
32	G# 0		Click Noise
33	A 0		Metronome Click
34	A# 0		Metronome Bell
35	B 0		Bass Drum M
36	C 1		BD Jazz
37	C# 1		Side Stick
38	D 1		Snare M
39	D# 1		Hand Clap
40	E 1		Snare H
41	F 1		Jazz Tom 1
42	F# 1	1	Hi-Hat Closed
43	G 1		Jazz Tom 2
44	G# 1	1	Hi-Hat Pedal
45	A 1		Jazz Tom 3
46	A# 1	1	Hi-Hat Open
47	B 1		Jazz Tom 4
48	C 2		Jazz Tom 5
49	C# 2		Crash Cymbal 1
50	D 2		Jazz Tom 6
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L

67	G	3	Agogo H
68	G#	3	Agogo L
69	A	3	Cabasa
70	A#	3	Maracas
71	B	3	2 Samba Whistle H
72	C	4	2 Samba Whistle L
73	C#	4	3 Guiro Short
74	D	4	3 Guiro Long
75	D#	4	Claves
76	E	4	Wood Block H
77	F	4	Wood Block L
78	F#	4	4 Cuica Mute
79	G	4	4 Cuica Open
80	G#	4	5 Triangle Mute
81	A	4	5 Triangle Open
82	A#	4	Shaker
83	B	4	Jingle Bell
84	C	5	Bell Tree
85	C#	5	Castanet
86	D	5	6 Surdo Mute
87	D#	5	6 Surdo Open
88	E	5	----
89	F	5	----
90	F#	5	----
91	G	5	----
92	G#	5	----
93	A	5	----
94	A#	5	----
95	B	5	----
96	C	6	----
97	C#	6	----
98	D	6	----
99	D#	6	----
100	E	6	----
101	F	6	----
102	F#	6	----
103	G	6	----
104	G#	6	----
105	A	6	----
106	A#	6	----
107	B	6	----
108	C	7	----

### Program # 41: Brush Kit

Note #   Note   Alt. a.   Voice Name

25	C# 0		Snare Roll
26	D 0		Finger Snap
27	D# 0		Hi Q
28	E 0		Whip Slap
29	F 0	7	Scratch Push
30	F# 0	7	Scratch Pull
31	G 0		Sticks
32	G# 0		Click Noise
33	A 0		Metronome Click
34	A# 0		Metronome Bell
35	B 0		Bass Drum M
36	C 1		BD Soft
37	C# 1		Side Stick
38	D 1		Brush Tap
39	D# 1		Brush Slap
40	E 1		Brush Swirl
41	F 1		Jazz Tom 1
42	F# 1	1	Hi-Hat Closed
43	G 1		Jazz Tom 2
44	G# 1	1	Hi-Hat Pedal
45	A 1		Jazz Tom 3
46	A# 1	1	Hi-Hat Open
47	B 1		Jazz Tom 4
48	C 2		Jazz Tom 5
49	C# 2		Crash Cymbal 1
50	D 2		Jazz Tom 6
51	D# 2		Ride Cymbal 1
52	E 2		Chinese Cymbal
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Cowbell
57	A 2		Crash Cymbal 2
58	A# 2		Vibraslap
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	2	Samba Whistle H

72	C 4	2	Samba Whistle L
73	C# 4	3	Guiro Short
74	D 4	3	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H
77	F 4		Wood Block L
78	F# 4	4	Cuica Mute
79	G 4	4	Cuica Open
80	G# 4	5	Triangle Mute
81	A 4	5	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		Castanet
86	D 5	6	Surdo Mute
87	D# 5	6	Surdo Open
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----
92	G# 5		----
93	A 5		----
94	A# 5		----
95	B 5		----
96	C 6		----
97	C# 6		----
98	D 6		----
99	D# 6		----
100	E 6		----
101	F 6		----
102	F# 6		----
103	G 6		----
104	G# 6		----
105	A 6		----
106	A# 6		----
107	B 6		----
108	C 7		----

**Program # 49: Orchestra Kit**

<u>Note #</u>	<u>Note</u>	<u>Alt. a.</u>	<u>Voice Name</u>
25	C# 0		Snare Roll
26	D 0		Finger Snap
27	D# 0		Hi-Hat Closed
28	E 0		Hi-Hat Pedal
29	F 0	7	Hi-Hat Open

30	F# 0	7	Ride Cymbal 1
31	G 0		Sticks
32	G# 0		Click Noise
33	A 0		Metronome Click
34	A# 0		Metronome Bell
35	B 0		BD Jazz
36	C 1		Gran Cassa
37	C# 1		Side Stick
38	D 1		Concert SD
39	D# 1		Castanet
40	E 1		Concert SD
41	F 1		Timpani F
42	F# 1	1	Timpani F#
43	G 1		Timpani G
44	G# 1	1	Timpani A
45	A 1		Timpani A#
46	A# 1	1	Timpani B
47	B 1		Timpani C
48	C 2		Timpani C#
49	C# 2		Timpani D
50	D 2		Timpani D#
51	D# 2		Timpani E
52	E 2		Timpani F
53	F 2		Ride Cymbal Cup
54	F# 2		Tambourine
55	G 2		Splash Cymbal
56	G# 2		Hand Cym.1
57	A 2		Crash Cymbal 2
58	A# 2		Hand Cym.2
59	B 2		Ride Cymbal 2
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	2	Samba Whistle H
72	C 4	2	Samba Whistle L
73	C# 4	3	Guiro Short
74	D 4	3	Guiro Long
75	D# 4		Claves
76	E 4		Wood Block H

77	F 4		Wood Block L
78	F# 4	4	Cuica Mute
79	G 4	4	Cuica Open
80	G# 4	5	Triangle Mute
81	A 4	5	Triangle Open
82	A# 4		Shaker
83	B 4		Jingle Bell
84	C 5		Bell Tree
85	C# 5		Castanet
86	D 5	6	Surdo Mute
87	D# 5	6	Applause
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----
92	G# 5		----
93	A 5		----
94	A# 5		----
95	B 5		----
96	C 6		----
97	C# 6		----
98	D 6		----
99	D# 6		----
100	E 6		----
101	F 6		----
102	F# 6		----
103	G 6		----
104	G# 6		----
105	A 6		----
106	A# 6		----
107	B 6		----
108	C 7		----

### Program #57: SFX Set

Note #	Note	Alt. a.	Voice Name
25	C# 0		----
26	D 0		----
27	D# 0		----
28	E 0		----
29	F 0	7	----
30	F# 0	7	----
31	G 0		----
32	G# 0		----
33	A 0		----
34	A# 0		----

35	B	0	----
36	C	1	----
37	C#	1	----
38	D	1	----
39	D#	1	High-Q
40	E	1	Slap
41	F	1	Scratch Push
42	F#	1	Scratch Pull
43	G	1	Sticks
44	G#	1	Square Click
45	A	1	Metronome Click
46	A#	1	Metronome Bell
47	B	1	Guitar Fret Noise
48	C	2	Guitar Cutting Down
49	C#	2	Guitar Cutting Up
50	D	2	Ac Bass Slap
51	D#	2	FL.Key Click
52	E	2	Laughing
53	F	2	Screaming
54	F#	2	Punch
55	G	2	Heartbeat
56	G#	2	Footsteps 1
57	A	2	Footsteps 2
58	A#	2	Applause
59	B	2	Door Creaking
60	C	3	Door Slam
61	C#	3	Scratch
62	D	3	Windchime
63	D#	3	Engine Start
64	E	3	Tire Screech
65	F	3	Car Passing
66	F#	3	Crash
67	G	3	Siren
68	G#	3	Train
69	A	3	Jetplane
70	A#	3	Helicopter
71	B	3	2 Starship
72	C	4	2 Gunshot
73	C#	4	3 Machine Gun
74	D	4	3 Laser Gun
75	D#	4	Explosion
76	E	4	Dog
77	F	4	Horse Gallop
78	F#	4	4 Bird Tweet
79	G	4	4 Rain
80	G#	4	5 Thunder
81	A	4	5 Wind

82	A# 4		Seashore
83	B 4		Stream
84	C 5		Bubble
85	C# 5		----
86	D 5	6	----
87	D# 5	6	----
88	E 5		----
89	F 5		----
90	F# 5		----
91	G 5		----
92	G# 5		----
93	A 5		----
94	A# 5		----
95	B 5		----
96	C 6		----
97	C# 6		----
98	D 6		----
99	D# 6		----
100	E 6		----
101	F 6		----
102	F# 6		----
103	G 6		----
104	G# 6		----
105	A 6		----
106	A# 6		----
107	B 6		----
108	C 7		----

**Program # 128: C/M Kit**

\* C/M Kit, i't, iStandard

Kit,Æ<α'Ê,lfCf"fXfgfDf<f[]"fg,Í[]AfCf"fXfgfDf<f[]"fgŽ©'ì,í<α'Ê,Å, ,Á,Ä,à[]AfGftfFfNfgfZf"f'h,âfpf" ,È,C,ì[]Ý'è,  
 æ^Ù,È,é,à,ì,â, ,è,Ü,-[]B

Note #	Note	Alt. a.	Voice Name
25	C# 0		----
26	D 0		----
27	D# 0		----
28	E 0		----
29	F 0	7	----
30	F# 0	7	----
31	G 0		----
32	G# 0		----
33	A 0		----
34	A# 0		----
35	B 0		Bass Drum M
36	C 1		Bass Drum H



37	C# 1		Side Stick
38	D 1		Snare M
39	D# 1		Hand Clap
40	E 1		SD Electro
41	F 1		Floor Tom L
42	F# 1	1	Hi-Hat Closed
43	G 1		Floor Tom H
44	G# 1	1	Hi-Hat Open 1
45	A 1		Low Tom
46	A# 1	1	Hi-Hat Open 2
47	B 1		Mid Tom L
48	C 2		Mid Tom H
49	C# 2		Crash Cymbal 1
50	D 2		High Tom
51	D# 2		Ride Cymbal 1
52	E 2		----
53	F 2		----
54	F# 2		----
55	G 2		----
56	G# 2		----
57	A 2		----
58	A# 2		----
59	B 2		----
60	C 3		Bongo H
61	C# 3		Bongo L
62	D 3		Conga H Mute
63	D# 3		Conga H Open
64	E 3		Conga L
65	F 3		Timbale H
66	F# 3		Timbale L
67	G 3		Agogo H
68	G# 3		Agogo L
69	A 3		Cabasa
70	A# 3		Maracas
71	B 3	2	Samba Whistle H
72	C 4	2	Samba Whistle L
73	C# 4	3	Vibraslap
74	D 4	3	----
75	D# 4		Claves
76	E 4		Laughing
77	F 4		Screaming
78	F# 4	4	Punch
79	G 4	4	Heartbeat
80	G# 4	5	Footsteps 1
81	A 4	5	Footsteps 2
82	A# 4		Applause
83	B 4		Door Creaking

84	C 5		Door Slam
85	C# 5		Scratch
86	D 5	6	Windchime
87	D# 5	6	Engine Start
88	E 5		Tire Screech
89	F 5		Car Passing
90	F# 5		Crash
91	G 5		Siren
92	G# 5		Train
93	A 5		Jetplain
94	A# 5		Helicopter
95	B 5		Starship
96	C 6		Gunshot
97	C# 6		Machine Gun
98	D 6		Laser Gun
99	D# 6		Explosion
100	E 6		Dog
101	F 6		Horse Gallop
102	F# 6		Bird Tweet
103	G 6		Rain
104	G# 6		Thunder
105	A 6		Wind
106	A# 6		Seashore
107	B 6		Stream
108	C 7		Bubble

## REVERB

Exclusive

MSB	LSB	Effect Type	"Á'Ÿ
00	00	NO EFFECT	fGftfFfNfg,đ OFF ,É,μ,Ü,·□B
01	00	HALL1	fz□[f<,Á,ì<¿,«,đfVf~f...fCE□[fg,μ,½fŠfo□[fu,Á,·□B
01	01	HALL2	□@□@ □V□@
02	00	ROOM1	•"%o®,ì<¿,«,đfVf~f...fCE□[fg,μ,½fŠfo□[fu,Á,·□B
02	01	ROOM2	□@□@ □V□@
02	02	ROOM3	□@□@ □V□@
03	00	STAGE1	f□ŠyŠí,É"K,μ,½fŠfo□[fu,Á,·□B
03	01	STAGE2	□@□@ □V□@
04	00	PLATE	"S"ÁfŠfo□[fu,đfVf~f...fCE□[fg,μ,½fŠfo□[fu,Á,·□B

## CHORUS

Exclusive

MSB	LSB	Effect Type	"Á'Ÿ
00	00	NO EFFECT	fGftfFfNfg,đ OFF ,É,μ,Ü,·□B
41	00	CHORUS1	^è"É"l,ÉfR□[f%ofXfvf□[fOf%ofÉ,Á,·□B%o¹,đŽ©'R,É□L,°,Ü,·□B
41	01	CHORUS2	□@□@ □V□@
41	02	CHORUS3	□@□@ □V□@
42	00	CELESTE1	,R'Š,ì LFO ,É,æ,è□A%o¹,É,α,È,è,Æ□L,ª,è,đ—^,ì,éfvf□[fOf%ofÉ,Á,·□B
42	01	CELESTE2	□@□@ □V□@
42	02	CELESTE3	□@□@ □V□@
43	00	FLANGER1	fWfFfbfgfTfEf"fh,đ—^,ì,Ü,·□B
43	01	FLANGER2	□@□@ □V□@

## VARIATION

Exclusive

MSB	LSB	Effect Type	"Á'Ÿ
00	00	NO EFFECT	fGftfFfNfg,đ OFF ,É,μ,Ü,·□B
01	00	HALL1	fz□[f<,Á,ì<¿,«,đfVf~f...fCE□[fg,μ,½fŠfo□[fu,Á,·□B
01	01	HALL2	□@□@ □V□@
02	00	ROOM1	•"%o®,ì<¿,«,đfVf~f...fCE□[fg,μ,½fŠfo□[fu,Á,·□B
02	01	ROOM2	□@□@ □V□@
02	02	ROOM3	□@□@ □V□@
03	00	STAGE1	f□ŠyŠí,É"K,μ,½fŠfo□[fu,Á,·□B
03	01	STAGE2	□@□@ □V□@
04	00	PLATE	"S"ÁfŠfo□[fu,đfVf~f...fCE□[fg,μ,½fŠfo□[fu,Á,·□B
05	00	DELAY L,C,R	L, R, C (center) ,ì3-{-,ìfffBfCEfC%o¹,đ"□¶,·,éfvf□[fOf%ofÉ,Á,·□B
06	00	DELAY L,R	L, R2-{-,ìfffBfCEfC%o¹,đ"□¶,·,éfvf□[fOf%ofÉ,Á,·□B,Q-

			{, ðftfB[]f hf of bf N fff B f C E f C, ðž, Á, Ä, ç, Ü, · □ B
07	00	ECHO	L, R2- {, ðfff B f C E f C, Æ L x R "Æ - §, ðftfB[]f hf of bf N fff B f C E f C, ðž, Á, Ä, ç, Ü, · □ B
08	00	CROSS DELAY	, Q- {, ðfff B f C E f C, ðftfB[]f hf of bf N, ðf N f[]f X, <sup>3</sup> , <sup>1</sup> , <sup>1</sup> / <sub>2</sub> f v f[]f O f % o f € , Á, · □ B
09	00	EARLY REF1	f Š f o[]f u, ð % Š ú " <sup>1</sup> / <sub>2</sub> Ž È % <sup>1</sup> , ð, Ý, ðž æ, è □ o, μ, <sup>1</sup> / <sub>2</sub> f G f t f f N f g, Á, · □ B
09	01	EARLY REF2	□ @ □ @                      □ V □ @
0A	00	GATE REVERB	f Q[]f g f Š f o[]f u, ð f v f ~ f... f C E[]f g, μ, <sup>1</sup> / <sub>2</sub> , à, ð, ð, Á, · □ B
0B	00	REVERSE GATE	f Q[]f g f Š f o[]f u, ð t[] Ä[] q, ð f v f ~ f... f C E[]f g, μ, <sup>1</sup> / <sub>2</sub> f v f[]f O f % o f € , Á, · □ B
41	00	CHORUS1	^ ê " È " I, È f R[]f % o f X f v f[]f O f % o f € , Á, · □ B % <sup>1</sup> , ðž © " R, È □ L, °, Ü, · □ B
41	01	CHORUS2	□ @ □ @                      □ V □ @
41	02	CHORUS3	□ @ □ @                      □ V □ @
42	00	CELESTE1	, R ' Š, ð LFO , È, æ, è □ A % <sup>1</sup> , È, x, È, è, Æ □ L, a, è, ð - ^ , ð, ð f v f[]f O f % o f € , Á, · □ B
42	01	CELESTE2	□ @ □ @                      □ V □ @
42	02	CELESTE3	□ @ □ @                      □ V □ @
43	00	FLANGER1	f W f f b f g f T f E f " f h, ð - ^ , ð, Ü, · □ B
43	01	FLANGER2	□ @ □ @                      □ V □ @
44	00	SYMPHONIC	CELESTE , ð • <sup>1</sup> / <sub>2</sub> , ð, æ, è <sup>1</sup> / <sub>2</sub> □ d % o » , μ, <sup>1</sup> / <sub>2</sub> , à, ð, ð, Á, · □ B
45	00	ROTARY SPEAKER	% o ñ " ] f X f s[]f j[]f , ð f v f ~ f... f C E[]f g, μ, <sup>1</sup> / <sub>2</sub> , à, ð, ð, Á, · □ BAC1 ( ± » <sup>2</sup> Å ð U ° Y Å Ü ° x ° 1 ) , È, Ç, Å □ A % o ñ " ] f X f s[]f h, ð f R f " f g f[]f f < , Á, «, Ü, · □ B
46	00	TREMOLO	% <sup>1</sup> - È, ðž ü Š ú " I, È • ð % o » , <sup>3</sup> , <sup>1</sup> , ð f G f t f f N f g, Á, · □ B
47	00	AUTO PAN	% <sup>1</sup> " œ, ð □ q % o E □ A " O C E ä, È Ž ü Š ú " I, È ^ U " @ , <sup>3</sup> , <sup>1</sup> , ð f v f[]f O f % o f € , Á, · □ B
48	00	PHASER1	^ È ' Š []f t f f C f y[]j, ðž ü Š ú " I, È • ð % o » , <sup>3</sup> , <sup>1</sup> % <sup>1</sup> , È, x, È, è, ðž, <sup>1</sup> / <sub>2</sub> , <sup>1</sup> , Ü, · □ B
48	08	PHASER2	f X f e f C E f l " ü - í, ð f t f f[]f u[]f , Á, · □ B
49	00	DISTORTION	% <sup>1</sup> , È f G f b f W, ð C ø, ç, <sup>1</sup> / <sub>2</sub> ~ c, Ý, ð - ^ , ð, Ü, · □ B
4A	00	OVER DRIVE	% <sup>1</sup> , È f } f C f < f h, È ~ c, Ý, ð - ^ , ð, Ü, · □ B
4B	00	AMP SIMULATOR	f M f ^[]f A f " f v, ð f v f ~ f... f C E[]f g, μ, <sup>1</sup> / <sub>2</sub> , à, ð, ð, Á, · □ B
4C	00	3BAND EQ(MONO)	LOW, MID, HIGH , ð f C f R f % o f C f W f " f O, a % o Ä " \, È MONO EQ , Á, · □ B
4D	00	2BAND EQ(STEREO)	LOW, HIGH , ð f C f R f % o f C f W f " f O, a % o Ä " \, È STEREO EQ , Á, · □ B f h f % o f € f p[]f g, È □ Å " K, Á, · □ B
4E	00	AUTO WAH(LFO)	f[]f E f t f B f < f ^[]f , ð ' t[]f S Ž ü " g[]f , ðž ü Š ú " I, È • ð % o » , <sup>3</sup> , <sup>1</sup> , Ü, · □ BAC1, È, Ç, Å f y f _ f < f[]f E, Æ, μ, Ä, à Ž g, ð, Ü, · □ B
40	00	THRU	f G f t f f N f g, ð, ©, , , È f o f C f p f X, μ, Ü, · □ B

\* MSB, LSB, Æ, à, È 16 □ i • Ž , Á, · □ B  
\* LSB=0, ð f G f t f f N f g, ð f x[]f v f b f N f ^ f C f v, Á, · □ B



# Soft fGftFfNfgfpf%of[]^[]fŠfXfg

œ^ó F AC1ifAfTfCfifuf<fRf“fgf[]f%o[]1j,ÁfRf“fgf[]f<%oÂ“\,Éfpf%of[]^[][,Á,·B  
 No.\* F ,±,ì”Ô[]t,íwMIDIff[]f^ftfH[]f}fbfg[]x,ìf•t\ 1-3,,,ìPARAMETERfif“fo[][,É’í%ož,μ,Ü,·B  
 []`table \*\*F []wfGftFfNfgff[]f^fAfTfCf“fe[]lfuf<[]x,ò,²—,,¾,³,çB

## œHALL1,2, ROOM1,2,3, STAGE1,2, PLATE

No.*	Parameter	Range	Value	table**	Control
1	Reverb Time	0.3` 30.0s	0-69	<a href="#">table#4</a>	
2	Diffusion	0` 10	0-10		
3	Initial Delay	0` 63	0-63	<a href="#">table#5</a>	
4	HPF Cutoff	Thru` 8.0kHz	0-52	<a href="#">table#3</a>	
5	LPF Cutoff	1.0k` Thru	34-60	<a href="#">table#3</a>	
6					
7					
8					
9					
10	Dry/Wet	D63>W ` D=W ` D<W63	1-127		œ
11	Rev Delay	0` 63	0-63	<a href="#">table#5</a>	
12	Density	0` 3	0-3		
13	Er/ Rev Balance	E63> R` E=R ` E<R63	1-127		
14					
15	Feedback Level	-63` +63	1-127		
16					

## œ DELAY L,C,R

No.*	Parameter	Range	Value	table**	Control
1	Lch Delay	0.1` 715.0ms	1-7150		
2	Rch Delay	0.1` 715.0ms	1-7150		
3	Cch Delay	0.1` 715.0ms	1-7150		
4	Feedback Delay	0.1` 715.0ms	1-7150		
5	Feedback Level	-63` +63	1-127		
6	Cch Level	0` 127	0-127		
7	High Damp	0.1` 1.0	1-10		
8					
9					
10	Dry/Wet	D63>W ` D=W ` D<W63	1-127		œ
11					
12					
13	EQ Low Frequency	50Hz` 2.0kHz	8-40	<a href="#">table#3</a>	
14	EQ Low Gain	-12` +12dB	52-76		
15	EQ High Frequency	500Hz` 16.0kHz	28-58	<a href="#">table#3</a>	
16	EQ High Gain	-12` +12dB	52-76		

## œDELAY L,R

No.*	Parameter	Range	Value	table**	Control
1	Lch Delay	0.1` 715.0ms	1-7150		
2	Rch Delay	0.1` 715.0ms	1-7150		

3	Feedback Delay 1	0.1` 715.0ms	1-7150	
4	Feedback Delay 2	0.1` 715.0ms	1-7150	
5	Feedback Level	-63` +63	1-127	
6	High Damp	0.1` 1.0	1-10	
7				
8				
9				
10	Dry/Wet	D63>W ` D=W ` D<W63	1-127	☐œ
11				
12				
13	EQ Low Frequency	50Hz` 2.0kHz	8-40	<a href="#">table#3</a>
14	EQ Low Gain	-12` +12dB	52-76	
15	EQ High Frequency	500Hz` 16.0kHz	28-58	<a href="#">table#3</a>
16	EQ High Gain	-12` +12dB	52-76	

### ☐œECHO

No.*	Parameter	Range	Value	☐`table**	Control
1	Lch Delay1	0.1` 355.0ms	1-3550		
2	Lch Feedback Level	-63` +63	1-127		
3	Rch Delay1	0.1` 355.0ms	1-3550		
4	Rch Feedback Level	-63` +63	1-127		
5	High Damp	0.1` 1.0	1-10		
6	Lch Delay2	0.1` 355.0ms	1-3550		
7	Rch Delay2	0.1` 355.0ms	1-3550		
8	Delay2 Level	0` 127	0-127		
9					
10	Dry/Wet	D63>W ` D=W ` D<W63	1-127		☐œ
11			12		
13	EQ Low Frequency	50Hz` 2.0kHz	8-40	<a href="#">table#3</a>	
14	EQ Low Gain	-12` +12dB	52-76		
15	EQ High Frequency	500Hz` 16.0kHz	28-58	<a href="#">table#3</a>	
16	EQ High Gain	-12` +12dB	52-76		

### ☐œCROSS DELAY

No.*	Parameter	Range	Value	☐`table**	Control
1	L->R Delay	0.1` 355.0ms	1-3550		
2	R->L Delay	0.1` 355.0ms	1-3550		
3	Feedback Level	-63` +63	1-127		
4	Input Select	L,R,L&R	0-2		
5	High Damp	0.1` 1.0	1-10		
6					
7					
8					
9					
10	Dry/Wet	D63>W ` D=W ` D<W63	1-127		☐œ
11					
12					
13	EQ Low Frequency	50Hz` 2.0kHz	8-40	<a href="#">table#3</a>	
14	EQ Low Gain	-12` +12dB	52-76		
15	EQ High Frequency	500Hz` 16.0kHz	28-58	<a href="#">table#3</a>	
16	EQ High Gain	-12` +12dB	52-76		

### ☐œEARLY REF1,2

No.*	Parameter	Range	Value	☐"table**	Control
1	Type	S-H, L-H, Rdm, Rvs, Plt, Spr	0-5		
2	Room Size	0.1☐`7.0	0-44	<a href="#">table#6</a>	
3	Diffusion	0☐`10	0-10		
4	Initial Delay	0☐`63	0-63	<a href="#">table#5</a>	
5	Feedback Level	-63☐`+63	1-127		
6	HPF Cutoff	Thru☐`8.0kHz	0-52		
7	LPF Cutoff	1.0k☐`Thru	34-60		
8					
9					
10	Dry/Wet	D63>W ☐` D=W ☐` D<W63	1-127		☐œ
11	Liveness	0☐`10	0-10		
12	Density	0☐`3	0-3		
13	High Damp	0.1☐`1.0	1-10		
14					
15					
16					

### ☐œGATE REVERB, REVERSE GATE

No.*	Parameter	Range	Value	☐"table**	Control
1	Type	TypeA,TypeB	0-1		
2	Room Size	0.1☐`7.0	0-44	<a href="#">table#6</a>	
3	Diffusion	0☐`10	0-10		
4	Initial Delay	0☐`63	0-63	<a href="#">table#5</a>	
5	Feedback Level	-63☐`+63	1-127		
6	HPF Cutoff	Thru☐`8.0kHz	0-52		
7	LPF Cutoff	1.0k☐`Thru	34-60		
8					
9					
10	Dry/Wet	D63>W ☐` D=W ☐` D<W63	1-127		☐œ
11	Liveness	0☐`10	0-10		
12	Density	0☐`3	0-3		
13	High Damp	0.1☐`1.0	1-10		
14					
15					
16					

### ☐œCHORUS1,2,3, CELESTE1,2,3

No.*	Parameter	Range	Value	☐"table**	Control
1	LFO Frequency	0.00☐`39.7Hz	0-127	<a href="#">table#1</a>	
2	LFO PM Depth	0☐`127	0-127		
3	Feedback Level	-63☐`+63	1-127		
4	Delay Offset	0☐`127	0-127	<a href="#">table#2</a>	
5					
6	EQ Low Frequency	50Hz☐`2.0kHz	8-40	<a href="#">table#3</a>	
7	EQ Low Gain	-12☐`+12dB	52-76		
8	EQ High Frequency	500Hz☐`16.0kHz	28-58	<a href="#">table#3</a>	
9	EQ High Gain	-12☐`+12dB	52-76		
10	Dry/Wet	D63>W ☐` D=W ☐` D<W63	1-127		☐œ

11  
12  
13  
14  
15  
16

Input Mode                    mono/stereo                    0-1

**FLANGER1,2**

No.*	Parameter	Range	Value	table**	Control
1	LFO Frequency	0.00~39.7Hz	0-127	<a href="#">table#1</a>	
2	LFO Depth	0~127	0-127		
3	Feedback Level	-63~+63	1-127		
4	Delay Offset	0~63	0-63	<a href="#">table#2</a>	
5					
6	EQ Low Frequency	50Hz~2.0kHz	8-40	<a href="#">table#3</a>	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	<a href="#">table#3</a>	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W    D=W    D<W63	1-127		<input type="checkbox"/>
11					
12					
13					
14	LFO Phase Difference	-180~+180deg	4-124	resolution=3deg.	
15					
16					

**SYMPHONIC**

No.*	Parameter	Range	Value	table**	Control
1	LFO Frequency	0.00~39.7Hz	0-127	<a href="#">table#1</a>	
2	LFO Depth	0~127	0-127		
3	Delay Offset	0~127	0-127	<a href="#">table#2</a>	
4					
5					
6	EQ Low Frequency	50Hz~2.0kHz	8-40	<a href="#">table#3</a>	
7	EQ Low Gain	-12~+12dB	52-76		
8	EQ High Frequency	500Hz~16.0kHz	28-58	<a href="#">table#3</a>	
9	EQ High Gain	-12~+12dB	52-76		
10	Dry/Wet	D63>W    D=W    D<W63	1-127		<input type="checkbox"/>
11					
12					
13					
14					
15					
16					

**ROTARY SPEAKER**

No.*	Parameter	Range	Value	table**	Control
1	LFO Frequency	0.00~39.7Hz	0-127	<a href="#">table#1</a>	<input type="checkbox"/>
2	LFO Depth	0~127	0-127		
3					



4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16

EQ Low Frequency	50Hz`2.0kHz	8-40	<a href="#">table#3</a>
EQ Low Gain	-12`+12dB	52-76	
EQ High Frequency	500Hz`16.0kHz	28-58	<a href="#">table#3</a>
EQ High Gain	-12`+12dB	52-76	
Dry/Wet	D63>W ` D=W ` D<W63	1-127	

### ☐œTREMLOLO

No.*	Parameter	Range	Value	<a href="#">table**</a>	Control
1	LFO Frequency	0.00`39.7Hz	0-127	<a href="#">table#1</a>	☐œ
2	AM Depth	0`127	0-127		
3	PM Depth	0`127	0-127		
4					
5					
6	EQ Low Frequency	50Hz`2.0kHz	8-40	<a href="#">table#3</a>	
7	EQ Low Gain	-12`+12dB	52-76		
8	EQ High Frequency	500Hz`16.0kHz	28-58	<a href="#">table#3</a>	
9	EQ High Gain	-12`+12dB	52-76		
10					
11					
12					
13					
14	LFO Phase Difference	-180`+180deg	4-124	resolution=3deg.	
15	Input Mode	mono/stereo	0-1		
16					

### ☐œAUTO PAN

No.*	Parameter	Range	Value	<a href="#">table**</a>	Control
1	LFO Frequency	0.00`39.7Hz	0-127	<a href="#">table#1</a>	☐œ
2	L/R Depth	0`127	0-127		
3	F/R Depth	0`127	0-127		
4	PAN Direction	L<->R,L->R,L<-R,Lturn,Rturn,L/R	0-5		
5					
6	EQ Low Frequency	50Hz`2.0kHz	8-40	<a href="#">table#3</a>	
7	EQ Low Gain	-12`+12dB	52-76		
8	EQ High Frequency	500Hz`16.0kHz	28-58	<a href="#">table#3</a>	
9	EQ High Gain	-12`+12dB	52-76		
10					
11					
12					
13					
14					
15					
16					

## PHASER1,2

No.*	Parameter	Range	Value	table**	Control
1	LFO Frequency	0.00`39.7Hz	0-127	<a href="#">table#1</a>	
2	LFO Depth	0`127	0-127		
3	Phase Shift Offset	0`127	0-127		
4	Feedback Level	-63`+63	1-127		
5					
6	EQ Low Frequency	50Hz`2.0kHz	8-40	<a href="#">table#3</a>	
7	EQ Low Gain	-12`+12dB	52-76		
8	EQ High Frequency	500Hz`16.0kHz	28-58	<a href="#">table#3</a>	
9	EQ High Gain	-12`+12dB	52-76		
10	Dry/Wet	D63>W ` D=W ` D<W63	1-127		<input type="checkbox"/>
11	Stage	6`10(phaser1)/3`5(phaser2)	3-10		
12	Diffusion	Mono/Stereo	0-1		
13	LFO Phase Difference	-180`+180deg.	4-124	Phaser2,ì,Ý	
14					
15					
16					

## DISTORTION, OVERDRIVE

No.*	Parameter	Range	Value	table**	Control
1	Drive	0`127	0-127		<input type="checkbox"/>
2	EQ Low Frequency	50Hz`2.0kHz	8-40	<a href="#">table#3</a>	
3	EQ Low Gain	-12`+12dB	52-76		
4	LPF Cutoff	1.0k`Thru	34-60	<a href="#">table#3</a>	
5	Output Level	0`127	0-127		
6					
7	EQ Mid Frequency	500Hz`10.0kHz	28-54	<a href="#">table#3</a>	
8	EQ Mid Gain	-12`+12dB	52-76		
9	EQ Mid Width	1.0`12.0	10-120		
10	Dry/Wet	D63>W ` D=W ` D<W63	1-127		
11	Edge(Clip Curve)	0`127	0-127	mild`sharp	
12					
13					
14					
15					
16					

## GUITAR AMP SIMULATOR

No.*	Parameter	Range	Value	table**	Control
1	Drive	0`127	0-127		<input type="checkbox"/>
2	AMP Type	Off,Stack,Combo,Tube	0-3		
3	LPF Cutoff	1.0k`Thru	34-60	<a href="#">table#3</a>	
4	Output Level	0`127	0-127		
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W ` D=W ` D<W63	1-127		

11 Edge(Clip Curve) 0-127 mild-sharp  
 12  
 13  
 14  
 15  
 16

**3-BAND EQ**

No.*	Parameter	Range	Value	table**	Control
1	EQ Low Gain	-12+12dB	52-76		
2	EQ Mid Frequency	500Hz-10.0kHz	28-54	<a href="#">table#3</a>	
3	EQ Mid Gain	-12+12dB	52-76		
4	EQ Mid Width	1.0-12.0	10-120		
5	EQ High Gain	-12+12dB	52-76		
6	EQ Low Frequency	50Hz-2.0kHz	8-40	<a href="#">table#3</a>	
7	EQ High Frequency	500Hz-16.0kHz	28-58	<a href="#">table#3</a>	
8					
9					
10					
11					
12					
13					
14					
15					
16					

**2-BAND EQ**

No.*	Parameter	Range	Value	table**	Control
1	EQ Low Frequency	50Hz-2.0kHz	8-40	<a href="#">table#3</a>	
2	EQ Low Gain	-12+12dB	52-76		
3	EQ High Frequency	500Hz-16.0kHz	28-58	<a href="#">table#3</a>	
4	EQ High Gain	-12+12dB	52-76		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

**AUTO WAH**

No.*	Parameter	Range	Value	table**	Control
1	LFO Frequency	0.00-39.7Hz	0-127	<a href="#">table#1</a>	
2	LFO Depth	0-127	0-127		
3	Cutoff Frequency Offset	0-127	0-127		

4	Resonance	1.0` 12.0	10-120	
5				
6	EQ Low Frequency	50Hz` 2.0kHz	8-40	<a href="#">table#3</a>
7	EQ Low Gain	-12` +12dB	52-76	
8	EQ High Frequency	500Hz` 16.0kHz	28-58	<a href="#">table#3</a>
9	EQ High Gain	-12` +12dB	52-76	
10	Dry/Wet	D63>W ` D=W ` D<W63	1-127	
11				
12				
13				
14				
15				
16				



Soft fGftfFfNfgff [f^fAfTfCf“fe [fuf<

**Table#1**

**LFO Frequency (Hz)**

Data Value

0	0.00
1	0.04
2	0.08
3	0.13
4	0.17
5	0.21
6	0.25
7	0.29
8	0.34
9	0.38
10	0.42
11	0.46
12	0.51
13	0.55
14	0.59
15	0.63
16	0.67
17	0.72
18	0.76
19	0.80
20	0.84
21	0.88
22	0.93
23	0.97
24	1.01
25	1.05
26	1.09
27	1.14
28	1.18
29	1.22
30	1.26
31	1.30
32	1.35
33	1.39
34	1.43
35	1.47
36	1.51
37	1.56
38	1.60

39	1.64
40	1.68
41	1.72
42	1.77
43	1.81
44	1.85
45	1.89
46	1.94
47	1.98
48	2.02
49	2.06
50	2.10
51	2.15
52	2.19
53	2.23
54	2.27
55	2.31
56	2.36
57	2.40
58	2.44
59	2.48
60	2.52
61	2.57
62	2.61
63	2.65
64	2.69
65	2.78
66	2.86
67	2.94
68	3.03
69	3.11
70	3.20
71	3.28
72	3.37
73	3.45
74	3.53
75	3.62
76	3.70
77	3.87
78	4.04
79	4.21
80	4.37
81	4.54
82	4.71
83	4.88
84	5.05
85	5.22

86	5.38
87	5.55
88	5.72
89	6.06
90	6.39
91	6.73
92	7.07
93	7.40
94	7.74
95	8.08
96	8.41
97	8.75
98	9.08
99	9.42
100	9.76
101	10.10
102	10.80
103	11.40
104	12.10
105	12.80
106	13.50
107	14.10
108	14.80
109	15.50
110	16.20
111	16.80
112	17.50
113	18.20
114	19.50
115	20.90
116	22.20
117	23.60
118	24.90
119	26.20
120	27.60
121	28.90
122	30.30
123	31.60
124	33.00
125	34.30
126	37.00
127	39.70

**Table#2**

**Modulation Delay Offset ( $f \sim f_{\check{S}} \cdot b$ )**

Data Value

0	0.0
1	0.1
2	0.2
3	0.3
4	0.4
5	0.5
6	0.6
7	0.7
8	0.8
9	0.9
10	1.0
11	1.1
12	1.2
13	1.3
14	1.4
15	1.5
16	1.6
17	1.7
18	1.8
19	1.9
20	2.0
21	2.1
22	2.2
23	2.3
24	2.4
25	2.5
26	2.6
27	2.7
28	2.8
29	2.9
30	3.0
31	3.1
32	3.2
33	3.3
34	3.4
35	3.5
36	3.6
37	3.7
38	3.8
39	3.9
40	4.0
41	4.1
42	4.2
43	4.3
44	4.4
45	4.5



46	4.6
47	4.7
48	4.8
49	4.9
50	5.0
51	5.1
52	5.2
53	5.3
54	5.4
55	5.5
56	5.6
57	5.7
58	5.8
59	5.9
60	6.0
61	6.1
62	6.2
63	6.3
64	6.4
65	6.5
66	6.6
67	6.7
68	6.8
69	6.9
70	7.0
71	7.1
72	7.2
73	7.3
74	7.4
75	7.5
76	7.6
77	7.7
78	7.8
79	7.9
80	8.0
81	8.1
82	8.2
83	8.3
84	8.4
85	8.5
86	8.6
87	8.7
88	8.8
89	8.9
90	9.0
91	9.1
92	8.2

93	9.3
94	9.4
95	9.5
96	9.6
97	9.7
98	9.8
99	9.9
100	10.0
101	11.1
102	12.2
103	13.3
104	14.4
105	15.5
106	17.1
107	18.6
108	20.2
109	21.8
110	23.3
111	24.9
112	26.5
113	28.0
114	29.6
115	31.2
116	32.8
117	34.3
118	35.9
119	37.5
120	39.0
121	40.6
122	42.2
123	43.7
124	45.3
125	46.9
126	48.4
127	50.0

**Table#3**  
**EQ Frequency (Hz)**

<u>Data</u>	<u>Value</u>
0	THRU(20)
1	22
2	25
3	28
4	32
5	36

6	40
7	45
8	50
9	56
10	63
11	70
12	80
13	90
14	100
15	110
16	125
17	140
18	160
19	180
20	200
21	225
22	250
23	280
24	315
25	355
26	400
27	450
28	500
29	560
30	630
31	700
32	800
33	900
34	1.0k
35	1.1k
36	1.2k
37	1.4k
38	1.6k
39	1.8k
40	2.0k
41	2.2k
42	2.5k
43	2.8k
44	3.2k
45	3.6k
46	4.0k
47	4.5k
48	5.0k
49	5.6k
50	6.3k
51	7.0k
52	8.0k

53	9.0k
54	10.0k
55	11.0k
56	12.0k
57	14.0k
58	16.0k
59	18.0k
60	THRU(20.0k)

**Table#4**  
**Reverb Time (•b)**

<u>Data</u>	<u>Value</u>
0	0.3
1	0.4
2	0.5
3	0.6
4	0.7
5	0.8
6	0.9
7	1.0
8	1.1
9	1.2
10	1.3
11	1.4
12	1.5
13	1.6
14	1.7
15	1.8
16	1.9
17	2.0
18	2.1
19	2.2
20	2.3
21	2.4
22	2.5
23	2.6
24	2.7
25	2.8
26	2.9
27	3.0
28	3.1
29	3.2
30	3.3
31	3.4
32	3.5

33	3.6
34	3.7
35	3.8
36	3.9
37	4.0
38	4.1
39	4.2
40	4.3
41	4.4
42	4.5
43	4.6
44	4.7
45	4.8
46	4.9
47	5.0
48	5.5
49	6.0
50	6.5
51	7.0
52	7.5
53	8.0
54	8.5
55	9.0
56	9.5
57	10.0
58	11.0
59	12.0
60	13.0
61	14.0
62	15.0
63	16.0
64	17.0
65	18.0
66	19.0
67	20.0
68	25.0
69	30.0

**Table#5**

**Delay Time ( $f \sim f^{\frac{1}{5}} \cdot b$ )**

<u>Data</u>	<u>Value</u>
0	0.1
1	1.7
2	3.2
3	4.8

4	6.4
5	8.0
6	9.5
7	11.1
8	12.7
9	14.3
10	15.8
11	17.4
12	19.0
13	20.6
14	22.1
15	23.7
16	25.3
17	26.9
18	28.4
19	30.0
20	31.6
21	33.2
22	34.7
23	36.3
24	37.9
25	39.5
26	41.0
27	42.6
28	44.2
29	45.7
30	47.3
31	48.9
32	50.5
33	52.0
34	53.6
35	55.2
36	56.8
37	58.3
38	59.9
39	61.5
40	63.1
41	64.6
42	66.2
43	67.8
44	69.4
45	70.9
46	72.5
47	74.1
48	75.7
49	77.2
50	78.8

51	80.4
52	81.9
53	83.5
54	85.1
55	86.7
56	88.2
57	89.8
58	91.4
59	93.0
60	94.5
61	96.1
62	97.7
63	99.3
64	100.8
65	102.4
66	104.0
67	105.6
68	107.1
69	108.7
70	110.3
71	111.9
72	113.4
73	115.0
74	116.6
75	118.2
76	119.7
77	121.3
78	122.9
79	124.4
80	126.0
81	127.6
82	129.2
83	130.7
84	132.3
85	133.9
86	135.5
87	137.0
88	138.6
89	140.2
90	141.8
91	143.3
92	144.9
93	146.5
94	148.1
95	149.6
96	151.2
97	152.8

98	154.4
99	155.9
100	157.5
101	159.1
102	160.6
103	162.2
104	163.8
105	165.4
106	166.9
107	168.5
108	170.1
109	171.7
110	173.2
111	174.8
112	176.4
113	178.0
114	179.5
115	181.1
116	182.7
117	184.3
118	185.8
119	187.4
120	189.0
121	190.6
122	192.1
123	193.7
124	195.3
125	196.9
126	198.4
127	200.0

**Table#6**

**Room Size ( $f_{ij}^L$ )**

<u>Data</u>	<u>Value</u>
0	0.1
1	0.3
2	0.4
3	0.6
4	0.7
5	0.9
6	1.0
7	1.2
8	1.4
9	1.5
10	1.7



11	1.8
12	2.0
13	2.1
14	2.3
15	2.5
16	2.6
17	2.8
18	2.9
19	3.1
20	3.2
21	3.4
22	3.5
23	3.7
24	3.9
25	4.0
26	4.2
27	4.3
28	4.5
29	4.6
30	4.8
31	5.0
32	5.1
33	5.3
34	5.4
35	5.6
36	5.7
37	5.9
38	6.1
39	6.2
40	6.4
41	6.5
42	6.7
43	6.8
44	7.0

### Chorus (fR[f%fx)

%<sup>1</sup>,É%œs,«,âĈÉú,ÝŠ´,ìĈø%Ê,ð%Á,|,éfGftfFfNfgi”-  
□¶‘·’u□j,Â,·□BfVfXfef€fGftfFfNfg(‘Sfp□[fg,É□ì—p,·,éfGftfFfNfg□B□ì—p—  
Ê,Ífp□[fg,<sup>2</sup>,Æ,É<sup>2</sup>□@%Â),Â, ,è□AfR□[f%ofXĈEn□ê—p,É,È,Á,Ä,ç,Û,·□B

### CODEC(fR\ffbfN)

A/D□ifG□[fffB□[□jRf“fo□f^□[(fAfif□fO,©,çffWf^f<,Ö,ì•İŠ·Ší)  
□AD/A□iffB□[fG□[□jRf“fo□f^□[(fffWf^f<,©,çfAfif□fO,Ö,ì•İŠ·Ší)  
,,æ,ÑfAfif□fOf~fLft□[,Â□□—,³,ê,½fn□[fhfEfGfA,Â□Af}f<f`f□fffBfA’í%ž,ÍfRf“fsf...  
□[f^,Â,í•KŽù•i,Â,·□BMIDiff□[f^,ðŽó□M,μ,½S-YXG50,ì□^—  
□Ĉ<%Ê□iffWf^f<□j,â□ACODEC,Â•İŠ·,³,ê,Ä··,±,!,é%<sup>1</sup>□°□M□+□ifAfif□fO□j,É,È,è,Û,·□B

### CPU Load (fV[fs[ft[ f[fh)

S-YXG50,âŽg—p,Â,«,éCPU,ì□è—L—!,ðfRf“fgf□[f<,μ,Û,·□B’l,ð□—,³,,·,é,Æ□AS-  
YXG50,ì<@“\,â□\$ĈÈÀ,³,ê”%<sup>1</sup>□”,âĈĈ,□,μ,Û,·□B

### Direct Sound (f\_fCfĈfNfgfTfEf“fh)

Microsoft(f)fCfNf□[fvtfg)ŽĐ,â’ñ□¥,μ,Ä,ç,éDirectX(fn□[fhfEfFfA,ì”\—í,ð”ò-ð”l,É□,,ß,é<Z□p)  
,ì^ê,Â,Â,·□B%<sup>1</sup>,ð□Ä□¶,·,é,ì,É,í□A’É□íA^ê,Â,ÍfEfG□[fufffofCfXfhf%ofCfo□[,¾,¯,âŽg—  
p,³,ê,Û,·□B,Æ,±,è,â□Af\_fCfĈfNfgfTfEf“fhfhf%ofCfo□[,âfCf“fXfg□[f<,³,ê,Ä,ç  
,é,Æ□Af\_fCfĈfNfgfTfEf“fh,É’í%ž,μ,½fvtfg,Â,í□A•i□”,ÍfEfG□[fufffofCfXfhf  
%ofCfo□[,â’¶□Ý,·,é,æ,x,É”,«□A•i□”,Íf□[fffBfÍftf@fCf<,ð”~Žž,É□Ä□¶,·,é,±,Æ,â%Â”\  
,É,È,è,Û,·□BS-YXG50,Íf\_fCfĈfNfgfTfEf“fh,ðOn,É,·,é,±,Æ,É,æ,è□AWavftf@fCf<,ìĈø%Ê  
%<sup>1</sup>,â’x,ê,È,□Ä□¶,³,ê,Û,·□B□iS-YXG50,ìMIDI□Ä□¶,í-ñ300ms,ì’x,ê,â□¶,¶,Û,·□j

### Effect(fGftfFfNfg)

%<sup>1</sup>,É•í%»,ð—^,!,éĈø%Ê,ð”□¶,³,¹,é’·’u,ì,±,Æ□B’â•Ê,μ,Ä□AfŠfo□[fu□AfR□[f  
%ofX□AfofŠfG□[fvftf“,ì3,Â,Íf^fCfv,â, ,è,Û,·□B

### Filter(ftfBf<f^□[)

%<sup>1</sup>,©,ç“Á’è,ìŽü”g□”□—•â,ð□í,Á,Ä%<sup>1</sup>□F,ð•í%»,³,¹,é,à,ì,Â,·□BS-  
YXG50,É,í□A□í,éŽü”g□”□—•â,ðŽžŠÔĈeo  
%<sup>1</sup>ß,É,æ,Á,ÄfRf“fgf□[f<,Â,«,éftfBf<f^□[,â’g,Ý□ž,Û,ê,Ä,ç,Û,·□B

### GM(fW[fGf€]fVfXfef€f€fxf<1

uGMfVfXfef€f€fxf<1v,Æ,ÍAf[f]f[â<@Ží,ª^Ù,È,é%¹CE¹,Å,àA,Ù,Ú“~,¶CEn“[,ì  
%¹F,Å%t,ªÄCE»,³,è,é,±,Æ,ð-Ú“l,Éÿ,¯,ç,ê,½A%¹CE¹,ì%¹F”z—ñ,âMIDI<@“\  
,ÉŠÖ,·,é^è’è,ìŠí€(%¹CE¹ftfH[f]fbfg),ì,±,Æ,Å,·B

### MIDI(f~ffB)

Musical Instrument Digital Interface,ì—ª,ÅA%¹ŠyŠÖ~A“dŽq<@ŠíŠÖ,ì’ŠCEÝÚ’±  
,ì,½,ß,ì<KŠi,ÅAqšE“^è<KŠi,Å,·B^Ù,È,Á,½f[f]f[ŠÖ,ìŠyŠí,âŠÖ~A<@ŠíAfRf“fsf...  
[f^,È,Ç,ð’ŠCEÝ,ÉÚ’±,µ,ÄA%tî•ñ,â  
%¹Fî•ñAfRf“fgf[f<î•ñ,È,Ç,ð,â,èŽæ,è,·,é,±,Æ,ª,Å,«,Ü,·B

### MMX (R) (fGf€fGf€fGfbfNfX)fefNfmfW

V,½,É%Á,!,ç,ê,½f}f<f`f[ffBfAŠÖ~A^—,ð[,’¬%»»,·,é<Zp,Å,·B  
MMX (R) fefNfmfW,É,æ,èAfRf“fsf...[f^,ì^—’¬“x,ª”ð-ð“l,ÉCEüã,µA[]—  
^fn[fhfEfGfA,Ås,È,Á,Ä,ç,½^—,ðftfgfEfGfA,É’ãs,³,¹,é,±,Æ,ª%Á\  
,É,È,è,Ü,µ,½BXG,É’í%ž,µ,½ S-YXG50,àMMX (R) fefNfmfW,É,æ,Á,ÄŽÀCE»,µ,Ü,µ,½B

### MMX (R) (fGf€fGf€fGfbfNfX)fefNfmfWPentium(fyf“fefBfA€)fvf[fZfbfT

Intel(fCf“fef<)ŽĐ,ìMMX (R) fefNfmfW,ð’g,Ýž,ñ,¾V,µ,çCPU,ì,±,Æ,Å,·B

### Polyphony(f|fŠftfHfj[l)

“~Žž,Éo,¹,é”%¹”,ì,±,Æ,Å,·B  
fvf“fZfTfCfU[“\—Í•]º,ì-Ú^À,Æ,È,éžd—l,ì,Đ,Æ,ÅBGM<KŠi,Å,ì24%¹^Èã,Æ,³,è,Ä,ç  
,Ü,·B  
CPU,ì«“\,É,æ,è’CE,µ,Ä,,¾,³,çB

### Reverb(fŠfo[fu)

%¹,Éžc<žCEø%È,ð%Á,!,éfGftfFfNfg“i”¶’•’uqj,Å,·BfvfXfef€f€fGftfFfNfg(‘Sfp[fG,É]—  
p,·,éfGftfFfNfgB]—p—É,Íp[fG,²,Æ,É²®%Á),ÅAfŠfo[fuEnê—p,É,È,Á,Ä,ç,Ü,·B

### Sampling Rate(fTf“fvfŠf“fofCE[fG] F%¹Žž

Ä¶Žž,ì%¹Žž,ðž!,µ,Ü,·B44K=CDf€fxf<A22K=f%fwfjf€fxf<A11K=“d~bf€fxf<,ì  
%¹Žž,É,È,è,Ü,·B

### Soft Synthesizer(f\ftfgfVf“fZfTfCfU[l)

f}ftfgfVf“fZftfCfU[][,íAfn[]fhfEfGfAMIDI%°¹CE¹,ðŽg—p,¹, ,fRf“fsf...[]f^,ìCPU,É,æ,è[]f\ftfgfEfFfA,¾,¯,Å[]j MIDI%°¹Šy,ð%°°°t,³,¹,é,±,Æ,ª,Å,«,é[]æ[]i,ì<Z[]p,Å,·[]B

**Variation(fofŠfG[]fVf#f“)**

fŠfo[]f[]AfR[]f%°fX[]AfffBfCEfC[]AfffBfXfg[]fVf#f“ ,È,Ç’½[]É,ÈCEø%°É,ìfGftfFfNfg[]i”-[]¶’·’u[]j,Å,·BfVfXfef€fGftfFfNfg(‘Sf[]p[]fg,É[]ì—p,·,·éfGftfFfNfg[]B[]ì—p—É,ìfp[]fg,²,Æ,É’²[]®%°Å),Æ,μ,Ä,à[]AfCf“fT[]fVf#f“fGftfFfNfg(ê,Å,ìfp[]fg,¾,¯,É[]ì—p,·,·éfGftfFfNfg),Æ,μ,Ä,àŽg—p,Å,«,Ü,·[]B

**XG(fGfbfNfXfW[])**

XG,Æ,í[]A[]uGMfVfXfef€fCEfxf<1[]v,ð,æ,èŠg’£,μ[]AZŽ’ã,Æ,Æ,à,É·;ŽG%°»[],“x%°»°,μ,Ä,ç,-fRf“fsf...[]f^Žü·ÓŠÅ««,É,à’î%°ž,³,¹A-L,©,È·\CE»—í,Æff[]f^,ìCEp’±[]«,ð%°Å”\ ,Æ,μ,½[]Af,}fn,ì’ñ[]¥,·,·éŽŸ[]ç’ã,ì%°¹CE¹ftfH[]f}fbfg,Å,·BXG,É’î%°ž,μ,½%°¹CE¹<@Ší,âf\ f“fOff[]f^,É,íXGf}[]fN,ª,Å,ç,Ä,ç,Ü,·[]B

**fXf^f“f\_[]fMIDI(f~fffB)ftf@fCf<**

—I[]X,ÈfRf“fsf...[]f^%°¹Šyf\ftfg,â“dŽqŠyŠí,ìŠÔ,Å<α’É,É%°°°tff[]f^,ð^μ,ì,é,æ,α ,É,μ,½f[]f^·Ü’¶CE`Ž®,ì“^ê<KŠi,Å,·BfXf^f“f\_[]fMIDIftf@fCf<,É’î%°ž,μ,½%°°’tff[]f^,í[]AfXf^f“f\_[]fMIDIftf@fCf<’î%°ž,ì%°¹Šyf\ftfg,â“dŽqŠyŠí,ÅŽèCEy,É[]Ä[]¶,Å,«,Ü,·[]B,Ü,½^Ü,È,é%°¹Šyf\ftfgŠÔ,â“dŽqŠyŠí,Æ,ìŠÔ,Å%°°°tff[]f^,ð^Ú,·,±,Æ,à,Å,«,Ü,·[]B’P,ÉSMF,Æ,©MIDIftf@fCf<,ÆCEÄ,î,ê,é,±,Æ,à, ,è,Ü,·[]B

**fhf%°fbfO**

f}fEfX,ì[]¶f{f^f“,ð%°ÿ,μ,È,ª,çf}fEfXfjfcf“f^[][,ð·É,ì^É’u,É“®,©,·,±,Æ,Å,·[]B

**fhf[]fbfv**

fhf%°fbfO,μ,½f}fEfX,ìf{f^f“,ð,í,È,·,±,Æ,Å,·[]B



# Soft fgf%oofuf<fVf... [fefBf“fO

fAf“fCf“fXfg [f<’t,Éfgf%oofuf<,a” [q,μ,½

’iCE±”Á,ð [í [œ,μ,Ä,ç,é,ì,É [uŽg—pŠúCEÀ, a%oß,¬,Ä,ç,é [v,Æf [fbfZ [fW, a [o,é

fCf“fXfg [f<,a,Á,«,È,ç

<N“ [®,μ,È,ç

%o¹, a•, ±, !, È, ç [A [o, È, ç

%o%o’t,ífef“fj, a— [ ,ê, ½, è [A%o¹ [Ø,ê, a [q, , , é [Bf}fEfX, i”½%ož, a’x, , È, é

MIDIfRf“fpf`fuf<,ìfQ [f€,Á%o¹, a•, ±, !, È, ç [A [o, È, ç

MIDIfRf“fpf`fuf<,ìfQ [f€,ìCEø%oÊ%o¹, a’x,ê,Ä”%o¹, , , é

S-YXG50 [Ä [q%o¹,ÉŽG%o¹, a“ü,é

S-YXG50,ì%o¹—Ê’² [ß,í [H

~^%o¹,íf {fŠf... [f€fRf“fgf [ [f<, aŽg—p,Á,«,È,ç

fhf%oofCfo [L,ðOn,É,μ,Ä,à\ftfgfVf“fZ, aŽg—p,Á,«,È,ç

’C%oÁfgf%oofuf<fVf... [fefBf“fO [i, ±, ±, ðfNfŠfbfN, , , é,ÆfCf“f^ [f]fbfgCEo—  
R,Áf,,f}fn, ìfz [f€fy [fW,É, ,éQ&A,ÉfAfNfZfX,μ,Ü, · [j

**fAf“fCf“fXfg [f<’t,Éfgf%ofuf<,a” □¶,μ,½**

fAf“fCf“fXfg [f<,Ç,±,Ü,Å □i□s,μ,½, ©, ð<sup>2</sup>, x, éŽ-, í•s%oÅ“\, Å, · □B^È%o°, ì □í □œ □i<Æ, ð □s, Á, Ä %o°, ³, ç □B

1. □ffXf^ □ [fg □ |CEÿ □ ð □ |ftf@fCf<, âftfHf<f\_ □,,, ð’I’ð

2. **system.ini** ,Æf^fCfv,μ,Ä [Enter]

3. CEÿ □ ð CE<%oÊ, É **system.ini** ,³•\Ž!, ³, ê, ½, ç [Enter] □ if □ f, ’ ,É, Ä system.iniftf@fCf<, ð•\Ž! □

□E[386Enh] □ €-Ú, æ, è □ @ **device=vswp.vxd** □ @, ìfRf □ f“fg, ð □ í □ œ

□E[drivers] □ €-Ú, æ, è □ @ **midi#=sxgb.driv wave#=sxgb.driv mixer#=sxgb.driv**

, ìfRf □ f“fg, ð □ í □ œ

□i#, í □ “ Žš □B, “<q—l, ìfpf\fRf“ ,É, æ, è^Ù, È, è, Ü, · □

4. f □ f, ’ , ð □ ä □ ’, «•Ü’¶, μ, Ä □ |—<sup>1</sup>

5. CEÿ □ ð, ð □ |—<sup>1</sup>

6. □ffXf^ □ [fg □ |Windows, ì □ |—<sup>1</sup> □ |fRf“fsf... □ [f^, ð □ Ä<N“ @, ·, é □,,, ð’I’ð

7. □ffXf^ □ [fg □ |CEÿ □ ð □ |ftf@fCf<, âftfHf<f\_ □,,, ð’I’ð

8. **sxg\*. \*** ,Æf^fCfv,μ,Ä [Enter]

9. CEÿ □ ð CE<%oÊ, æ, è^È%o°, ì6ftf@fCf<, ð’I’ð, μ □ Af}fEfX, ð

%oEfNfŠfbfN, μ, Ä □ f □ í □ œ □,,, ð’I’ð

**sxgb.driv sxg05mx1.dll sxg05mx3.dll sxgbcpl.cpl sxgbsys.dll**

**sxgwave2.tbl**

10. **mmx\*. \*** ,Æf^fCfv,μ,Ä [Enter]

11. CEÿ □ ð CE<%oÊ, æ, è^È%o°, ì2ftf@fCf<, ð’I’ð, μ □ Af}fEfX, ð

%oEfNfŠfbfN, μ, Ä □ f □ í □ œ □,,, ð’I’ð

**mmxswp00.dll mmx32x00.dll**

12. **vswp.vxd**,Æf^fCfv,μ,Ä [Enter]

13. CEÿ □ ð CE<%oÊ, æ, è **vswp.vxd**ftf@fCf<, ð’I’ð, μ □ Af}fEfX, ð

%oEfNfŠfbfN, μ, Ä □ f □ í □ œ □,,, ð’I’ð

14. CEÿ □ ð, ð □ |—<sup>1</sup>

15. □ffXf^ □ [fg %oEfNfŠfbfN □ |fGfNfXfvf □ □ [f%o □ [ □,,, ð’I’ð

16. C: □ □, É, , é YAMAHAftfHf<f\_ , ð □ í □ œ, μ □ AfGfNfXfvf □ □ [f%o □ [ □, ð □ |—<sup>1</sup>

17. □ffXf^ □ [fg □ | □ Y’è □ |f^fXfNfo □ [(T) □,,, ð’I’ð

18. [fXf^ □ [fg]f □ fjf... □ [ , ì □ Y’è , ì □ í □ œ , ðfNfŠfbfN

19. YAMAHA Soft Synthesizer S-YXG50, ð’I’ð, μ, Ä

□ í □ œ □ A•Å, ¶, é □ AOK, ì □ ‡, ÉfNfŠfbfN, μ, Ü, · □B

‘ìĈ±”Å,ðíċœ,μ,Ä,ç,é,ì,Éĥũžg—pŠúĈÈ,ª%ß,¬,Ä,ç,é,éᵛ,Æf[]fbfz[]fW,ªœ,é  
 f\ftfgfVf“fZfTfCfU[][•t’®,ìfAf“fCf“fXfg[]f%[][,ðŽg—  
 p,μ,È,©,Á,½,è[]AfAf“fCf“fXfg[]fç,ÉŽ,“s,μ,½fP[]fX,Å,·[]B

‘ìĈ±”Å,ª,±,ìS-YXG50,Æ“˘,ìfo[]fWf#f“[]iV2.1[]j,ìċê[]‡  
 []ffXf^[]f[]g[]f[]v[]f[]o[]f[]€[]|YAMAHA Soft Synthesizer S-YXG50[]|S-  
 YXG50,ìfAf“fCf“fXfg[]fç[],,,ð‘‘ð[]EŽÀ[]s,μ,Ä,,¾,³,ç[]B

‘ìĈ±”Å,ª^È‘O,ìfo[]fWf#f“[]iV2.0[]j,ìċê[]‡  
 ‘O[]€-Ú[]ffAf“fCf“fXfg[]fç‘†,Éfgf%ofufç,ª”[]f[],,,ì[]ì<Æ,ð[]s,Á,Ä  
 %º,³,ç[]Bfo[]f[]Wf#f“,É,æ,è,Ü,μ,Ä,í^È%º,ìfRf[]f“fg,âftf@fCfç,ª,È,ç,à,ì,ª, ,è,Ü,·[]B  
 A[]Fsystem.inif[]tf@fCfç,ì mixer#=srgb.driv fRf[]f“fg  
 B[]FĈÿ[]ðĈ<%ºÈ,ìsrg05mx1.dll srg05mx3.dll srgbcpl.cpl srgbsys.dllif[]tf@fCfç

‘ìĈ±”Å,ªS-YG20,ìċê[]‡  
 ^È%º,ìŽè[]‡,Ä[]Afn[]fhfffBfXfN“à,ìftf@fCfç,ð[]í[]ċœ[]A[]C[]³,μ,Ä,,¾,³,ç[]B  
 1.[]ffXf^[]f[]g[]|Ĉÿ[]ð[]if[]tf@fCfç,âftfHfçf\_[],,,ð‘‘ð  
 2. system.ini ,Æf^fCfv,μ,Ä[Enter]  
 3.Ĉÿ[]ðĈ<%ºÈ,Ésystem.ini ,ª•\Ž!,¾,ê,½,ç[Enter][]if[]f,’ ,É,Ä system.inif[]tf@fCfç,ð•\Ž![]j  
 []E[Drivers][]€-Ú,æ,è[]@midi#=sgmpdrv00.dll wave#=sgmpdrv00.dll ,ìfRf[]f“fg,ð[]í[]ċœ  
 []i#,í[]”Žš[]B,“<q—l,ìfp[]fRf“,É,æ,è^Ù,È,è,Ü,·[]j  
 4.f[]f,’ ,ð[]ă[]‘,«•Ú‘¶,μ,Ä[]|—¹  
 5.Ĉÿ[]ð,ð[]|—¹  
 6.[]ffXf^[]f[]g[]|Windows,ì[]|—¹[]|fRf“fsf...[]f^,ð[]Ä<N“®,·,é[],, ,ð‘‘ð  
 7.[]ffXf^[]f[]g[]|Ĉÿ[]ð[]if[]tf@fCfç,âftfHfçf\_[],,,ð‘‘ð  
 8. sgp\*. \* ,Æf^fCfv,μ,Ä[Enter]  
 9.Ĉÿ[]ðĈ<%ºÈ,æ,è^È%º,ì5ftf@fCfç,ð‘‘ð,μ[]Af}fEfX,ð  
 %ºEfNfšfbfN,μ,Ä[]f[]í[]ċœ[],,,ð‘‘ð  
 sgpcpl.exe sgpdrv00.dll sgpm00.dll sgpswp00.dll sgpwav00.tbl  
 10.Ĉÿ[]ð,ð[]|—¹[]if[]tf@fCfç[]í[]ċœ,í,±,±,ÅŠ®—¹[]j  
 11.[]ffXf^[]f[]g[]|[]Ý’è[]f^fXfNfo[][(T)[],,,ð‘‘ð  
 12.f[]Xf^[]f[]g[]f[]fj...[][,,ì[]Ý’è ,ì []í[]ċœ ,ðfNfšfbfN  
 13.YAMAHA Soft Synthesizer S-YG20,ð‘‘ð,μ,Ä  
 []í[]ċœ[]A•Ä,¶,é[]AOK,ì[]‡,ÉfNfšfbfN,μ,Ü,·[]B

**fCf“fXfg[]f<,ª,Á,«,È,ç**

- ” •K—v,È□ðCE□□□“®□ìŠÀ«<<,í-ž,ª,ê,Ä,ç,Ü,·,©□H□ifn□[fhfffBfXfN□Af□f,fŠ□[—e—È□AOS,È,ç□j
- ” fn□[fhfffBfXfN,ì<ó,«—e—Ê,ª•s’«„µ,Ä,ç,é,Æ□AfCf“fXfg[]f<,í,Á,«„Ü,ª,ñ□B•s—v,Èftf@fCf<,ð□Á<Ž,µ,Ä□AfCf“fXfg[]f<,É•K—v,È<ó,«—e—Ê,ð—p^Ó,µ,Ä,,¾,¾,ç□B

**<N“®„µ,È,ç**

- ” •K—v,È□ðCE□□□“®□ìŠÀ«<<,í-ž,ª,ê,Ä,ç,Ü,·,©□H□ifn□[fhfffBfXfN□Af□f,fŠ□[—e—È□AOS,È,ç□j
- ”

fCf“fXfg[]f<,í□³,µ,çŽè□#„Á□s,í,é,Ü,µ,½,©□HfAf“fCf“fXfg[]f<,ð,ª,ê,Ä,©,ç□ÄfCf“fXfg[]f<,µ,Ä,“ŽŽ,µ%º,ª,ç□B

- ” S-YXG50□Ý’è%œ-È,ì fhf%ofCfo□[•”„ªOff,É,È,Á,Ä,ç,Ü,ª,ñ,©□B

**%º¹,ª••,±,ì,È,ç□A□o,È,ç**

- ” fRf“fsf...□[f^□AfAf“fv□AfXfs□[fj□[„È,ç,»„ê,¼,ê,ì□Ý’è„â%º¹—Ê,ðf`fFfbfN,µ,Ä,Ý,Ä,-¾,¾,ç□B
- ” fRf“fsf...□[f^„ìMIDI□Ý’è„í□gYAMAHA SXG50 Driver□h,É,È,Á,Ä,ç,Ü,·,©□H fRf“fgf□□[f<fpflf<“à f}f<f` f□fffBfA,ìMIDIf^fu,ðŠm”F,µ,Ä,,¾,¾,ç□B
- ” S-YXG50,í□A8 bit,â16 bitf,fmf%of<„ìfTfEf“fhfj□[fh,Á,ÍŽg—p,Á,«„Ü,ª,ñ□B

**%ºº‘t,ìfEf“fj,ª—□,ê,½,è□A%º¹□Ø,ê,ª□¶,„,é□Bf}fEfX,ì”½%ºž,ª’x,,È,é□B**

- ” %ºº‘t’t,É’¼,ìfAfvfŠfP□[fvfj“„ð<N“®„ª,ª,½,è□Aftf□fbfs□[fffBfXfN,âCD-ROMfhf %ofCfu,Ö,ìfAfNzfX,ð□s,«„È,ç□ACPU,É•%ºº×„ð—^„ì,é„Æ□¶,„,é,±„Æ,ª,„è,Ü,·□B
- ” ,²Žg—pCPU,ì□«“\,ð’„ì,½□^—□,ð□s,Á,Ä,ç,é□è□#„ª□ì,ì,ç,é,Ü,·□B S-YXG50□Ý’è%œ-È„Á”%º¹□”„ðCE„,ç,·□ACPU•%ºº×„ðCE„,ç,·□A%º¹Žž,ð%ºº,º,é’€□ì,ð□s,Á,Ä,Ý,Ä,-¾,¾,ç□B

**MIDI fRf“fpf` fuf<,ìfQ□[f€„Á%º¹,ª••,±,ì,È,ç□A□o,È,ç**

- ” S-YXG50,í□ADOS,“„æ„ÑMS-DOSfvf□[fvfg,Á,ÍŽg—p,Á,«„Ü,ª,ñ□B MIDI’í%ºž,ìfEfCf“fhfEfYfQ□[f€,ðfTf□[fg,µ,Ä,ç,Ü,·□B
- ” fQ□[f€ŠŽn’O„Èf`fCfEfNfgfTfEf“fh’í%ºž□E”ñ’í%ºž,ðŠm”F,µ,Ä□A•K—v,É %ºž„¶„ÄfRf“fgf□□[f<fpflf<“à f}f<f` f□fffBfA,ì□Ý’è,ðŠm”F,µ,Ä,,¾,¾,ç□B



**f\_fCfCEfNfgfTfEf“fh”ň‘í%žfQ□[f€**

f}f<f` f□fffBfA,lfvf□fpfefB,Å  
f□[fffBf□Ä□¶ □` YAMAHA□@SXG50□@Driver  
MIDI□o—Í□@□` YAMAHA□@SXG50□@Driver  
S-YXG50□Ý`è%æ-Ê,Å  
DirectSound OFF

**f\_fCfCEfNfgfTfEf“fh”í%žfQ□[f€**

f}f<f` f□fffBfA,lfvf□fpfefB,Å  
f□[fffBf□Ä□¶ □` YAMAHA□@SXG50□@Driver  
□u—D□æ,·,éffofCfX,ì,ÝŽg—p,·,é□v,lf` fFfbfNBOX,đf` fFfbfN,È,μ□ó’Ô,É  
MIDI□o—Í□@□` YAMAHA□@SXG50□@Driver  
S-YXG50□Ý`è%æ-Ê,Å  
DirectSound□@ON

□` f\ftfgfVf“fZfTfCfU□[,đŽg—p,·,é,É,Í□Afrf“fsf...□[f^,É, ,é’ö“x,lfpf□□[.ª—  
v<□,³,ê,Ü,·□BŽŸ,ì,æ,κ,È□ê□‡,É,Í□A□u%º¹,ª□o,È,¢□v□A□u“~Žž”%º¹□”,ªCE, ,é□v,È,Ç,ì-  
â`è,ª□¶,¶,é,±,Æ,ª, ,é,±,Æ,đ□A, ,ç,©,¶,ß,²□³’m,“,«,,³/₄,³,¢□B  
□Efrf“fsf...□[f^,ìCPU,“,æ,Ñf□f,fs□[,ì—e—Ê□A□^—□’—“x,ª•s’«,μ,Ä,¢,é□ê□‡  
□E S-YXG50,Æ“~Žž,É•Ê,lfAfvfŠfP□[fvf†f“,đŽg—p,μ,Ä,¢,é□ê□‡

**MIDIfrf“fpf` fuf<,lfQ□[f€,ìCEø%ºÊ%º¹,ª’x,ê,Ä”%º¹,·,é**

□` □ä<L□Ý`è,ÅSXG,đŽg—p,μ,ÄfQ□[f€,đ□s,κ,Æ,«□Af\_fCfCEfNfgfTfEf“fh”ň‘í%žfQ□[f€  
,Å,í’x,ê,ª□¶,¶,Ü,·□B  
f\_fCfCEfNfgfTfEf“fh”í%žfQ□[f€,Å’x,ê,ª□¶,¶,é□ê□‡□Af}f<f` f□fffBfA,lf□[fffBfif^fu,ì□u  
—D□æ,·,éffofCfX,ì,ÝŽg—p,·,é□v,lf` fFfbfNBOX,Éf` fFfbfN,ª, ,é,©,đŠm”F,μ,Ä  
%ºº,³,¢□Bf` fFfbfN,ª, ,é,Æ’x,ê,ª□¶,¶,Ü,·□B

**S-YXG50□Ä□¶%º¹,ÉŽG%º¹,ª“ü,é**

□` DirectX2,ªfCf“fXfg□[f<,³,ê,Ä,¢,éfrf“fsf...□[f^,É,“,¢,Ä%º¹Žž,đ11K□ADirect  
Sound,đOn,ì□ó’Ô,ÅMIDIftf@fCf<,đ□Ä□¶,·,é,ÆŽG%º¹,ª“ü,è,Ü,·□B  
DirectX3/5,đfCf“fXfg□[f<,·,é□B, ,é,¢,lf\_fCfCEfNfgfTfEf“fh,đOff,ì□ó’Ô,Å,²Žg—p,-  
,³/₄,³,¢□B  
□` CPU,ì•%º%ºx,ª□d,,È,é,Æf□[fffBfICODEC,É’—,è□ž,bf^fCf~f“fO,ª,,è□AfmfCfY,ª”-  
□¶,·,é□ê□‡,ª, ,è,Ü,·□B,±,ì,æ,κ,È□ê□‡,Í□Afrf“fgf□□[f<fpf|f<“à,ìXG Synth

DriverfAfCfRf“ ,đf\_fuf<fNfŠfbfN,μ□AS-YXG50□Ý’è%œ-Ê,đŠJ,ϕ,ÄOK,đfNfŠfbfN,μ,Ä,-  
,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ϕ□B

f^fCf~f“fO,ì,,ê,šfšZfbfg,<sup>3</sup>,ê,Ü,·□B

□” fRf“fgf□□[f<fpflf<“àf}f<f`f□fffBfA,ìf□[fffBf□Ä□¶,Ä□u—  
%žfAfvfš,š%<sup>1</sup>,đ—ò%»,<sup>3</sup>,<sup>1</sup>/<sub>2</sub>,Ü,Ü,É,μ,Ä,ϕ,é□ê□‡,š, ,è,Ü,·□B

### S-YXG50,ì%<sup>1</sup>—Ê’<sup>2</sup>□B,Í?

□” %<sup>1</sup>—Ê,Í{fšf...□[f€fRf“fgf□□[f<□if~fLfT□□j,Á’<sup>2</sup>□®,<sup>a</sup>,Ä,«,Ü,·□Bf^fXfNfo□[‰E’  
,ìžžCEv%<sup>1</sup>,É, ,éfXfs□[fj□[f}□[fN,đf\_fuf<fNfŠfbfN,μ,Ü,·□B  
fRf“fgf□□[f<fpflf<“àf}f<f`f□fffBfA,ìf□[fffBf□Ä□¶,Ä□u—  
D□æ,·,éfffofCfX□v,É’I’đ,<sup>3</sup>,ê,Ä,ϕ,éfffofCfX,É,æ,Á,Ä□A•\,í,ê,éf~fLfT□[,Æ’€□ì,·,éfXf  
%ofCf\_□[,<sup>a</sup>^Ü,È,è,Ü,·□B

□Efn□[fhfEfGfACODECfffofCfX,ì□ê□‡□FWavefof%of“fX,É,Ä

□ESXG50 Driver,ì□ê□‡□F’P“Æ,ìf\ftfgfVf“fZ□@fof%of“fX,É,Ä

### ~^%<sup>1</sup>,ìf{fšf...□[f€fRf“fgf□□[f<,šŽg—p,Ä,«,È,ϕ

□” fRf“fgf□□[f<fpflf<“àf}f<f`f□fffBfA,ìf□[fffBf□Ä□¶,ì□u—D□æ,·,éfffofCfX□v,<sup>a</sup>YAMAHA  
SXG50 Driver,ì□ê□‡□A<N“®,,·,és-YXG50f~fLfT□[,Í~^%<sup>1</sup>fCEfxf<,ì’<sup>2</sup>□®,đfTf|□[fg,μ,Ä,ϕ  
,Ü,<sup>1</sup>,ñ□B

~^%<sup>1</sup>fCEfxf<,ì’<sup>2</sup>□®,đ,·,é□ê□‡,Í□A□u—

D□æ,·,éfffofCfX□v,Éfn□[fhfEfGfACODECfffofCfX,đ’I’đ,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,ϕ□B

### fhf%ofCfo□[,đOn,É,μ,Ä,àf\ftfgfVf“fZ,šŽg—p,Ä,«,È,ϕ

□” On/OfffXfCfbf` ,đ□Ø,è’Ö,!,<sup>1</sup>/<sub>2</sub>CEã□AOK,đfNfŠfbfN,μ□AfRf“fsf...

□[f^□[.đ□Ä<N“® ,μ,Ä□A,Í,¶,ß,Ä,±,ìfXfCfbf` ,Í—LCEø,É,È,è,Ü,·□B

