

YAMAHA Audio Rack Software

Introduction

The Yamaha Audio Rack software consists of CD, MIDI, and WAVE players. The WAVE component can record and playback WAV format files.

There are six components: Power Control, CD, MIDI, WAVE, Multi, and Mixer. They can be arranged in any order, and it is not necessary for all components to be open all the time.

The green LED blinks while a component plays.

You can play WAVE and MIDI (.WAV and .MID) files simply by dragging and dropping them from the File Manager.

- Power Control Component

This component manages and launches the other components.

YMF715(OPL3-SA3)



YMF701(OPL3-SA) or YMF711(OPL3-SA2)



- WAVE Component

This component plays and records WAVE format files. The recording source can be CD(AUX), MIC,LINE,OR LOOP.

LOOP is the internal circuit of the OPL3-SA2 (i.e. MIDI play source).

The window display shows the file name, format, and time.



- MIDI Component

This component plays Standard MIDI Files (SMF).

The window display shows the file name, tempo, and time.



- CD Component

This component plays audio CDs.

The window display shows the track, title, song name, and time.



• **MULTI Component**

This component controls simultaneous playback of the CD, MIDI, and WAVE components.



• **MIXER Component**

This component controls playback and recording of your sound card.



From left to right the buttons are:

Management buttons

MONI When this box is checked, you can monitor the sound at the external LINE, CD, or MIC input while recording.



POWER Power ON/OFF

LOCK The left and right channel faders are locked together.

SOURCE Select the recording source (the MONI function is not available when Loop is selected).

Recording faders

REC CD, Mic, Line, or Loop recording level.

MIC Loop is the internal circuit of the OPL3-SA2 (i.e. MIDI play source).

Available fader.

Playback faders

LINE

CD CD or AUX

SYNTH FM or Wavetable Synthesizer

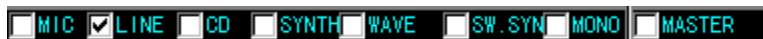
WAVE WAVE Playback

MONO MONO IN

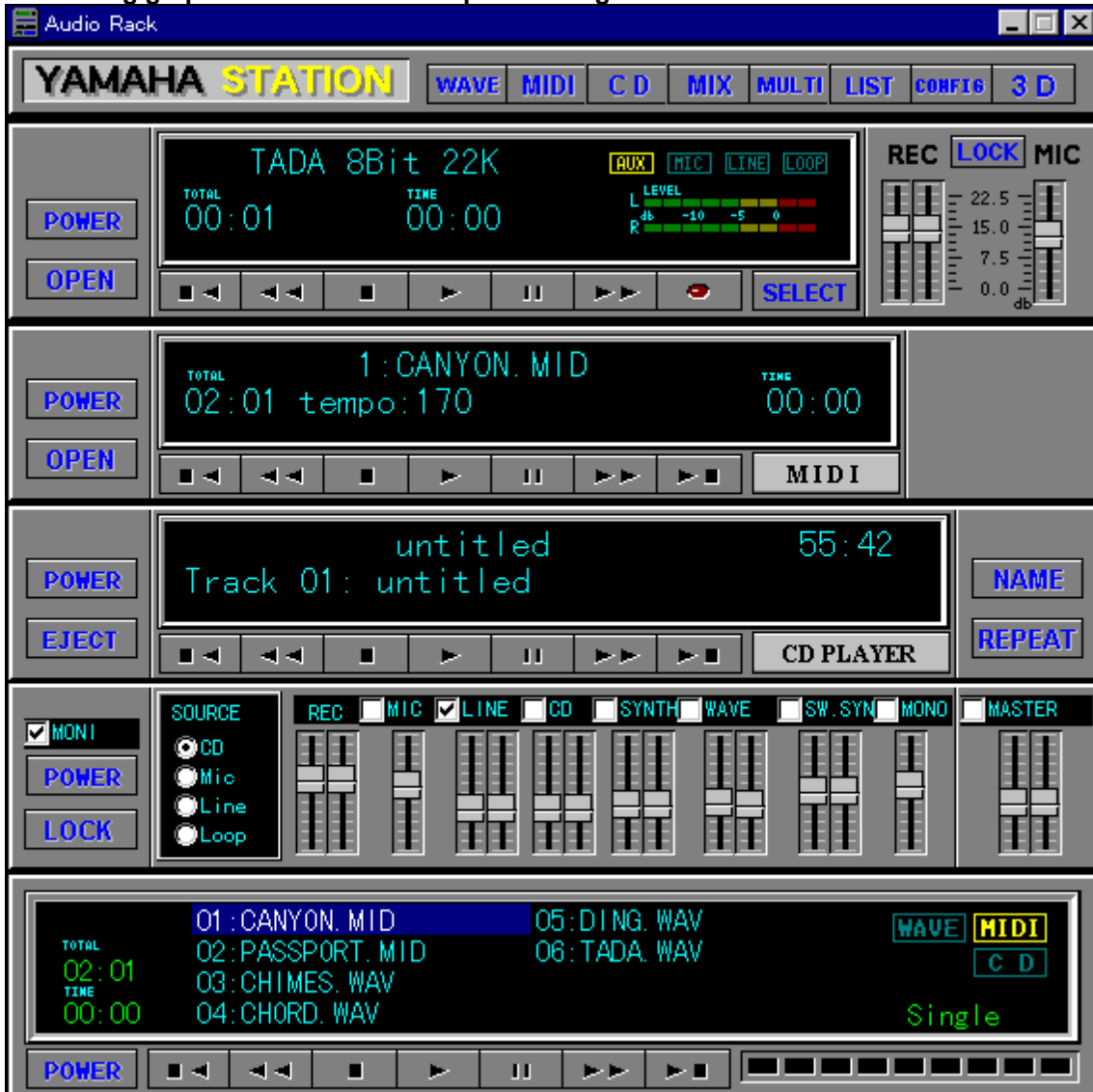
SW.SYN Soft Synthesizer

MASTER

When this box is checked, the component is muted.



The following graphic shows all six components together.



System requirements

- IBM-PC compatible computer with an 80286 as a minimum
- At least 1MB of available hard disk space
- Windows 3.1, Windows 95 or higher
- Sound board & its Windows driver
- MCI Extensions must be installed in the windows driver section

How to Play

Common operations of CD, MIDI, WAVE, and MULTI player.

Each component has the following basic functions:

Play, Stop, Pause, Fast Forward, Rewind.

The CD player also has Next and Previous functions.

Component buttons are marked with symbols commonly found on audio players. So if you've ever used an audio player you'll find Audio Rack operation straightforward.

Square	Stop
Double Bars	Pause
Single Right Arrow	Play
Double Left Arrows	Scan backward
Double Right Arrows	Scan forward
Left Arrow & Square	Go to beginning of previous song
Right Arrow & Square	Go to beginning of next song
Power	Show or remove component
Open	Open File Open dialog box. Drag & Drop is supported via File Manager

CD player only functions

Eject	Open and close the CD-ROM drive
Repeat	Repeat playback indefinitely

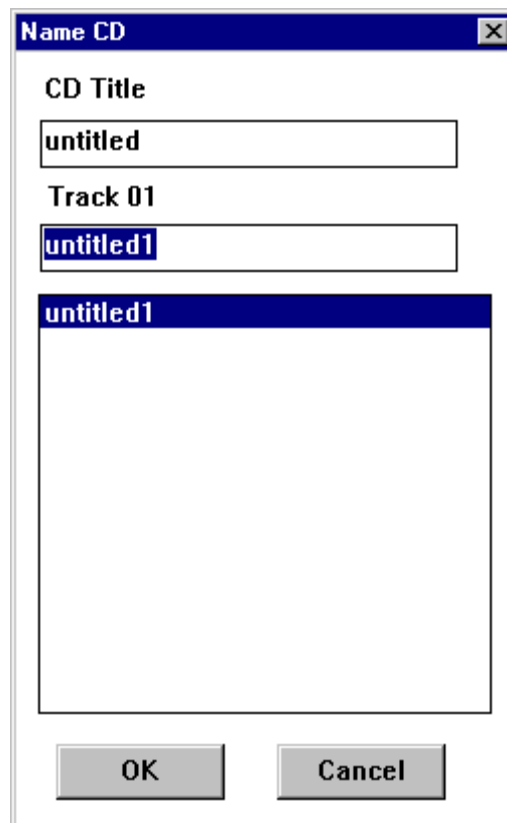
If your CD-ROM drive does not support the Eject function, nothing will happen when you click the Eject button.

Titling CDs

Clicking the Name button on the CD Component accesses the Name CD dialog box shown below.

This allows you to enter the CD title and track names. The CD title can be up to 26 characters long.

Track names can be up to 28 characters long, although, only the first 19 characters are displayed on the CD Component's display



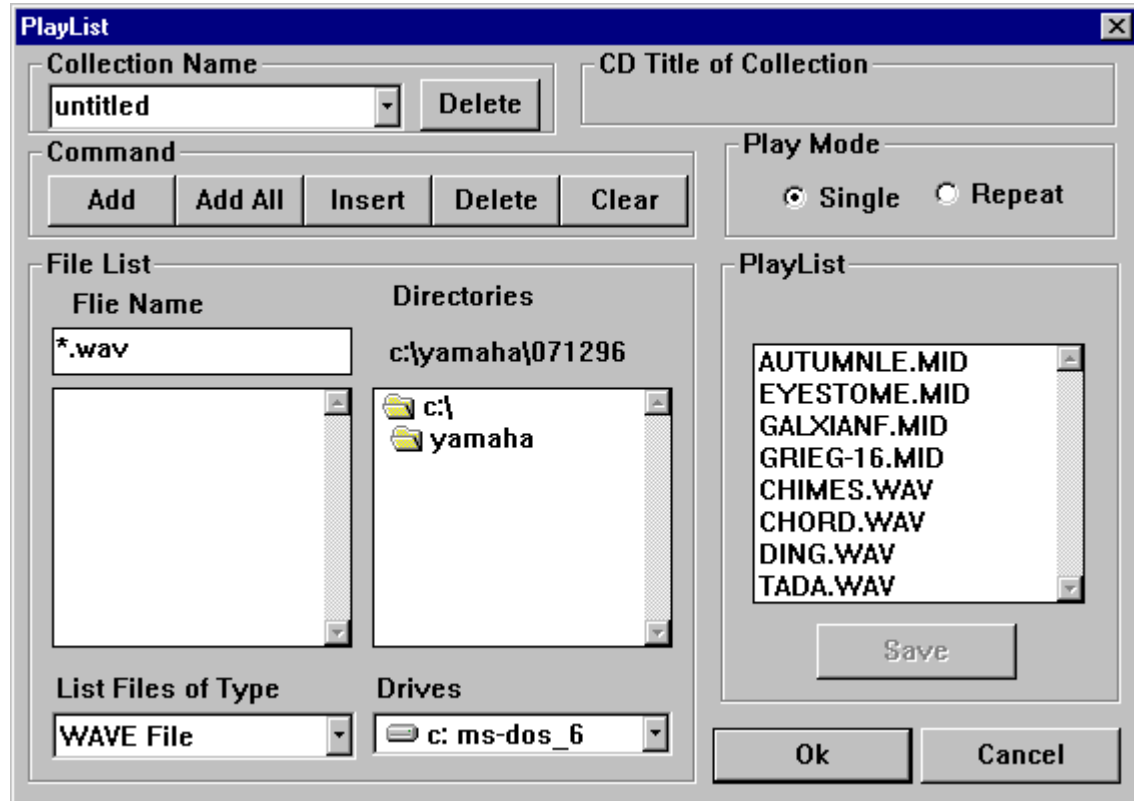
The image shows a dialog box titled "Name CD" with a close button (X) in the top right corner. It contains three input fields: "CD Title" with the text "untitled", "Track 01" with the text "untitled1", and a larger text area below it also containing "untitled1". At the bottom of the dialog box are two buttons: "OK" and "Cancel".

Please click the buttons, and experiment with the Audio Rack!

Playlist

The Playlist allows you to arrange CD tracks, MIDI songs, and WAVE sound files into a program of your choice. Playback starts with the first item in the playlist and continues until all items have been played. The Play Mode can be set to Repeat so that the playlist items are played repeatedly. Click the LIST button on the Power Control component.

In the Playlist dialog box, shown below, arrange your CD, MIDI, and WAVE data as desired. You can enter the title of your CD.



Play Mode

When set to Single, the data in the play list is played once.

When set to Repeat, the data in the play list is played repeatedly.

Clicking the OK button saves the play list in the `\Windows\System\Audioruk.ini` file. If the currently loaded CD is different to the one specified in the play list, an error message appears. This means that the song name on the CD does not match that in the play list. In this case you should edit the play list. Otherwise the error message will appear repeatedly.

Config

Click the CONFIG button on the Power Control component.
In the Config dialog box you can configure the Audio Rack.

Config

Auto Play

ON
 OFF

Display mode

Select
 Now Playing

Component

Wave
 MIDI
 CD
 Mix

Wave Recording

Recording Mode

New
 Overwrite
 Append

Sampling Rate

11025 Hz
 22050 Hz
 44100 Hz

Type

Mono
 Stereo

Data Format

8 Bit
 16 Bit

Version X.XX

OK Cancel

Auto Play

When Auto Play is OFF, the WAVE, MIDI, CD, and MIX components open when the Audio Rack is started.

When Auto Play is ON, data registered in the play list plays sequentially when the Audio Rack is started.

If Play Mode on the PlayList dialog box is set to Repeat and Auto Play is ON, data registered in the play list plays repeatedly when the Audio Rack is started.

Display mode

When Auto Play is ON, you can decide which components are displayed.

When set to Select, components whose box in the Component Select section are checked are displayed.

When set to Now Playing, only the component currently playing is displayed.

Component Select

The Component Select check boxes allow you to select which components are used for Auto Play. Components whose box is checked are used for Auto Play. These settings are active only when the Display mode is set to Select.

Recording Mode

New Create a new file
Overwrite Overwrite the existing file
Add Append to the current file

Sampling Rate

These buttons allow you to set the sampling rate for recording Wave files.

Type

These buttons allow you choose either mono or stereo Wave file recording.

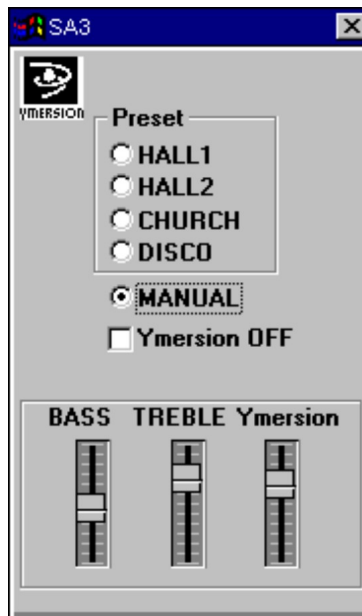
Data Format

These buttons allow you to set the data format to either 8 or 16 bit.

WAVE files are recorded in Mono, with a Sampling Rate of 22050Hz, and an 8-bit resolution.

Ymersion

This function can be controlled at using YMF715(OPL3-SA3)
Click the 3D button on the Power Control component.



Preset

This is to make Yamaha original sound field.

HALL1 makes sound field like hall.

HALL2 makes sound field like hall.

CHURCH makes sound field like church.

DISCO makes sound field like disco.

MANUAL

When this button is checked, you can adjust the effect of bass, treble and Ymersion(wide).

The controller appears at the bottom of this dialog box.

Ymersion OFF

The effect turns OFF.

Error Messages

The following is a list of Audio Rack error messages.

"Can't open window"

This message appears if a window cannot be opened when Audio Rack is started.

"Disc not loaded"

This message appears if you click the NAME button on the CD Component and no CD is loaded.

"The Wave data has changed. Save current changes?"

This message appears if you attempt to quit with unsaved changes.

"A Wave file with this name already exists. Overwrite?"

This message appears if you attempt to save a Wave file using a name that is already used.

"Can't get timer"

This message appears during playback if the Timer resources are insufficient.

"The CD loaded is different to that in the Playlist"

This message appears when you click the LIST button on the Power Component and the currently

loaded CD is different to that specified in the Playlist.

Others: error messages supported by MCI are supported.