SECTION 1 ~ INTRODUCTION

Thank you for purchasing the iDEMA Internet Phone Kit. This kit enables you to transform your existing interent-linked computer in to a communications tool that is perfect for home, business, conferencing or study applications. It allows you to talk over the internet to family, friends and colleagues at a fraction of the cost of standard IDD, as well as supporting true real-time application sharing at many levels.

Internet Phone

Actually talking to people over the internet requires the necessary software and hardware as add-ons to your existing internet-linked computer. These add-ons are Microsoft ® NetMeeting™ software, a full duplex Plug 'n' Play sound card (full duplex is necessary for two-way communication, rather than half duplex which only supports ' *walkie-talkie'* type conversations), and a headphone / microphone set which allows your hands to be free for typing on the 'Whiteboard' or 'Chat' options, and also provides clear & private communication.

Chat

Chat is a application which allows you to chat in 'typed' conversations to other internet users.

Whiteboard

The Whiteboard application is very similar to 'Paintbrush' in Microsoft Windows 3.1/95 and allows you not only to type over the net, but also to draw and paint.

Application Sharing

NetMeeting™ is a true breakthrough in application sharing programs. It allows you to make any file open to as many people in the conference as you like, and all user's can take control and even add to that document - In real-time.

Kit contents

- Microsoft® NetMeeting™ & Microsoft® Explorer™ software for Windows'95
- Full Duplex Plug 'n' Play 16-Bit stereo sound card
- Stereo Headphone / Boom Microphone set
- Willowpond Sound Card Software Utilities

SECTION 2 - HARDWARE INSTALLATION

Sound Card Installation

1. Locate a free 16-bit ISA slot in your system. These slots are usually black in color.
2. Remove the metal bracket from the back of the system case adjacent to this slot and keep the screw.
3. Carefully insert the sound card into the free slot, inserting at a slight angle and then pushing firmly in place. Do not touch the gold plated contacts of the card as this may cause bad contact during operation.
4. Using the screw from point (2) screw the card bracket into place, keeping it secure.
5. Attach the Audio Cable from the CD-ROM Drive to the relevant connector on the sound card (check the sound card manual).
6. Close the system case and attach the power cable again. Hardware installation of the sound card is now complete.

Headphone / Microphone Installation

1. The headphone / microphone set contained in this package has two standard mini-jack connectors. One for the stereo headphones, and one for the microphone.
2. Connect the headphone jack to the 'SPEAKER OUT' connector of your sound card
3. Connect the Microphone jack to the 'MIC IN' connector of your sound card (please refer to the sound card manual for locations)

Warning : Loud volume can lead to permanent hearing damage - To avoid this first turn down all the volume levels of your system in hardware or software before using the headphone/microphone set, and then adjust to a level comfortable for you.

SECTION 3 - SOFTWARE INSTALLATION

3.1 Sound Card Driver Installation

Before using your sound card you must first install the necessary software drivers for the type of Operating System you are using (i.e. DOS, Windows 3.1x / Windows '95 / Windows NT etc)

Please refer to the sound card's relevant user manual located on the MMCD CD-ROM contained in this package.

3.2 Microsoft® NetMeeting™ Installation

Microsoft NetMeeting ™ runs under Windows '95 and Windows NT.   Please run the included 'MMCD' CD-ROM in this package, and go to the NetMeeting Page. Here you can choose the version which best suits your application. Clicking on the relevant install button with install the program to your hard drive.

3.3 Willowpond Sound Card Utility Installation

Willowpond Sound Utilities are a set of 5 sound utilities : Media Rack ™ / Media Launcher™ / Presto Arranger ™ / Wave Shaper ™ & Winchime™..   To install these utilities there is one convenient installation button located on the Willowpond Page of the included 'MMCD' CD-ROM .

Microsoft NetMeeting ™ is very easy to use, and contains a first class **Help** function to guide you through the program.   However, here we shall briefly explain some of the major components of NetMeeting ™......

Opening Page

Before you start NetMeeting ™ you should first dial-up to your internet provider. If you have not done this and you start NetMeeting ™ then you will be prompted to dial-up automatically.   When you run NetMeeting ™ the following screen will appear.....
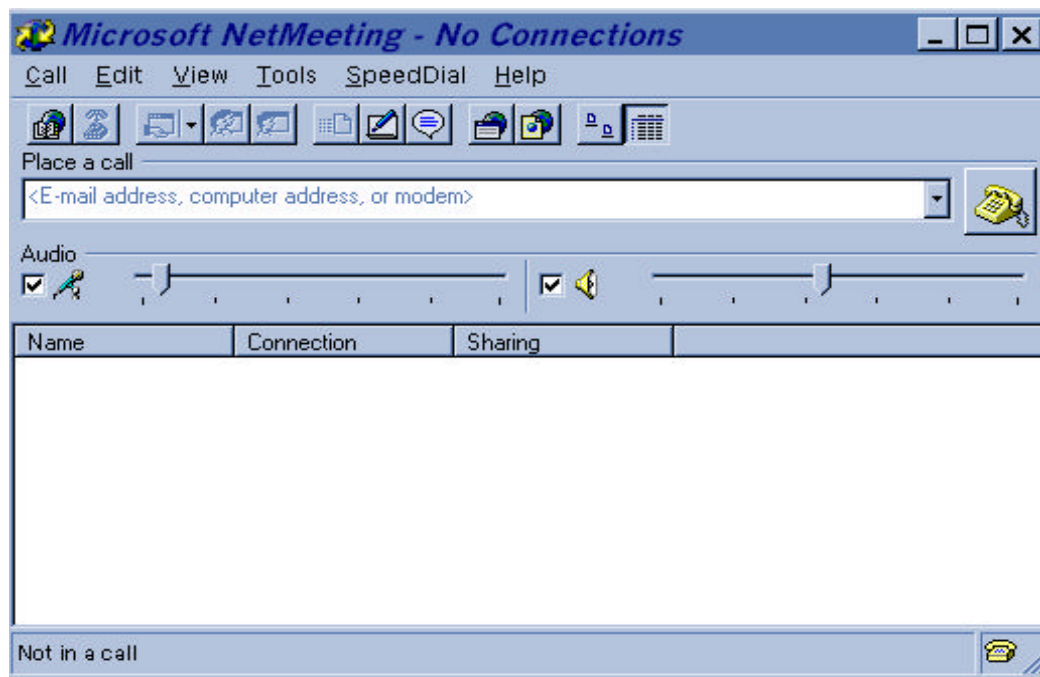
This is your opening screen, and will show you who your calling, whether they are using audio (voice) or not, their call-in name and volume controls for the speaker and audio..

Audio Tuning Wizard

To ensure your hardware configuration is correct you should setup the audio functions to be able to work with internet phone. To do this choose **Tools - Audio Tuning Wizard**.   The Audio Tuning Wizard allows you to setup the software ideally for the specific hardware you're using.   First, Audio Tuning Wizard will automatically detect your sound card type and determine whether it is half or full duplex.
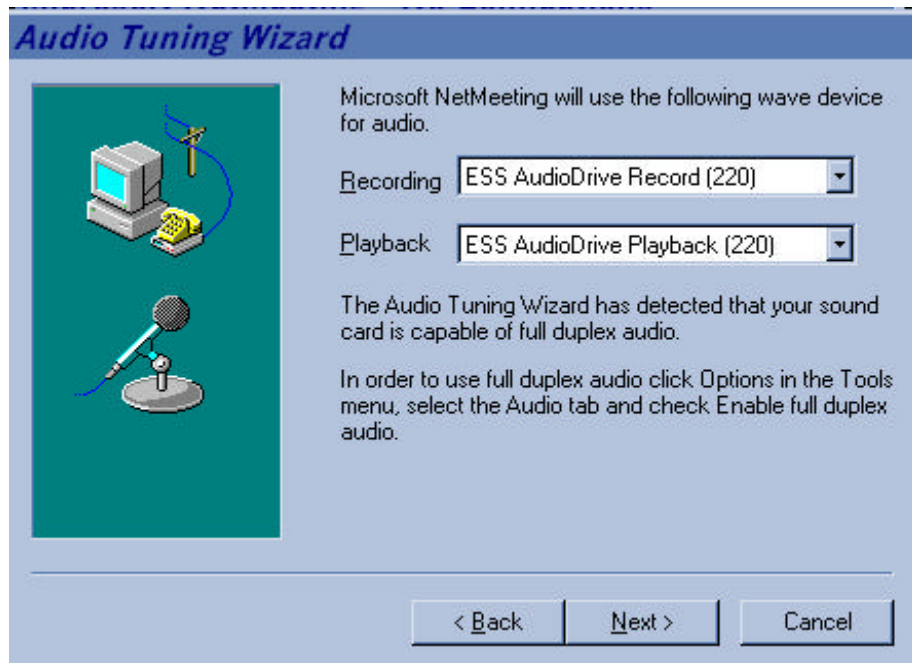
Modem Speed Settings

By clicking on **Next** NetMeeting will detect what speed of modem you are using
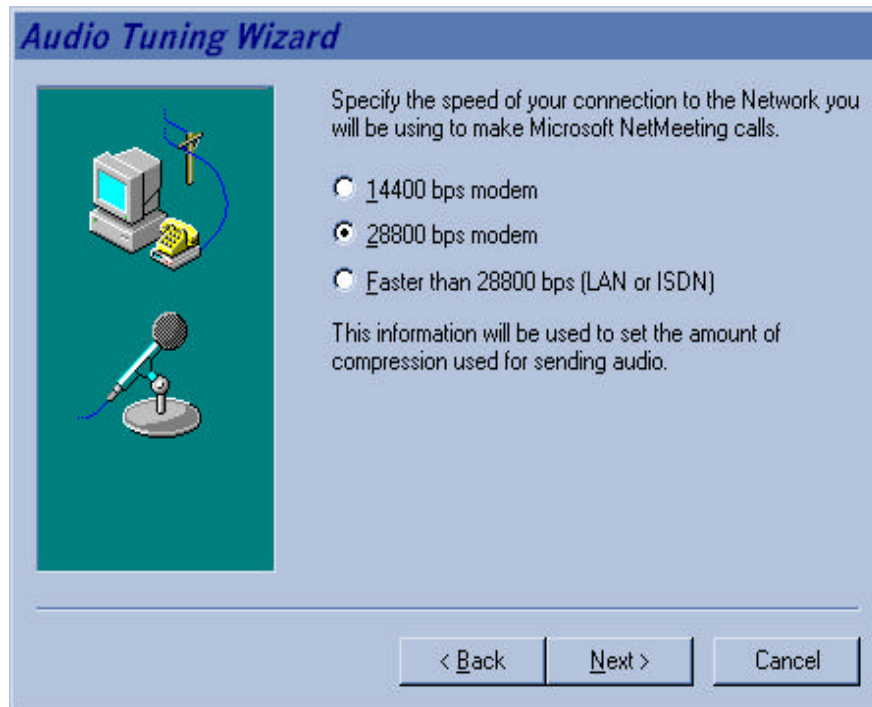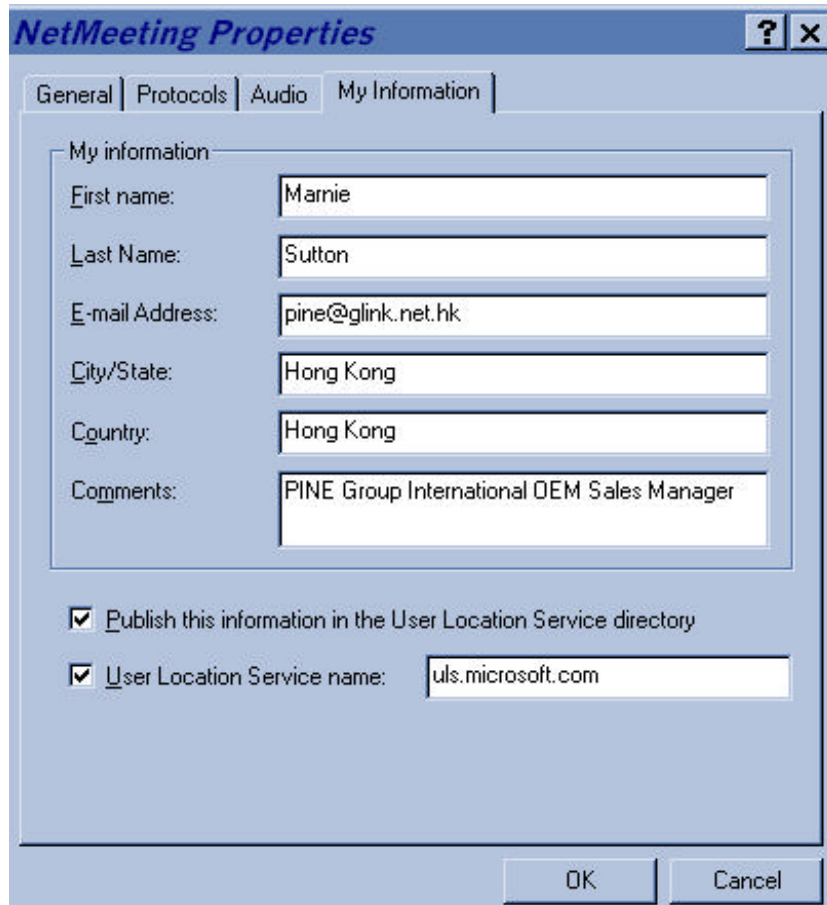
Microphone Sensitivity Settings

Clicking on **Next** will bring you to a screen where you can setup the sensitivity of your microphone. Just click on **Start Recording** and read, in normal voice tone, the sentence on the screen and the software will automatically adjust the microphone sensitivity.   This feature is necessary so that it avoids distortion on internet phone calls.   If you experience distortion then go back to this program and record yourself again to re-set the sensitivity.

> *Tip : Use your normal voice tone and voice level. Place the microphone in it's normal position when you're using it.   This feature of Audio Tuning Wizard is very sensitive -   Wrong settings will cause distortion of your voice at the other end of the internet phone call.*
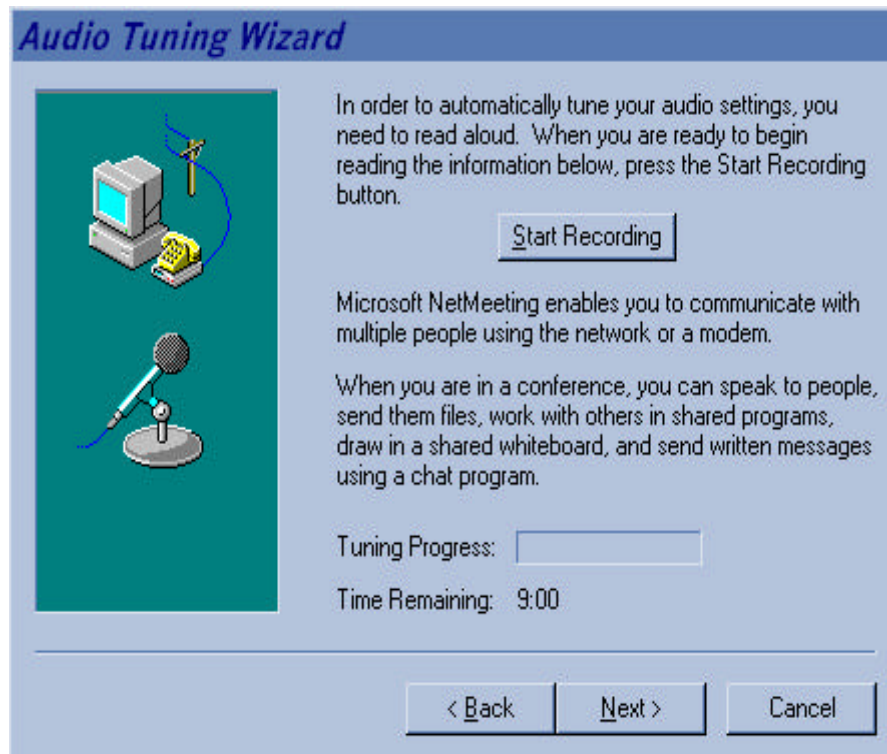
Personal Information for ULS Telephone Directory

Before you dial up to a User Location Service (ULS) you need to assign yourself a user name in the information file. To do this, first enter your personal information by choosing **Tools - Options - My Information**

This information will automatically register in the   uls directory which you later dial.

Audio Screen

The sound card included in this package supports full duplex capabilities, however you will need to *'Enable Full Duplex Audio'* in the **Audio** settings as below to enjoy this feature. The **Audio** screen also gives you options for setting the compression settings and the microphone sensitivity settings.
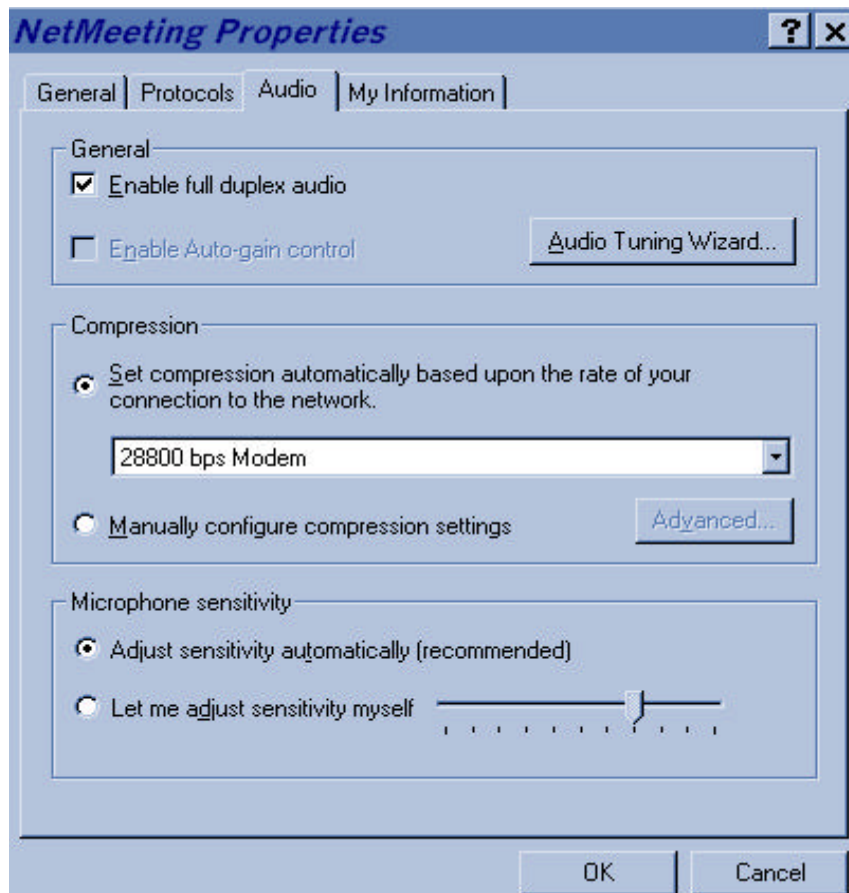
MAKING A CALL......
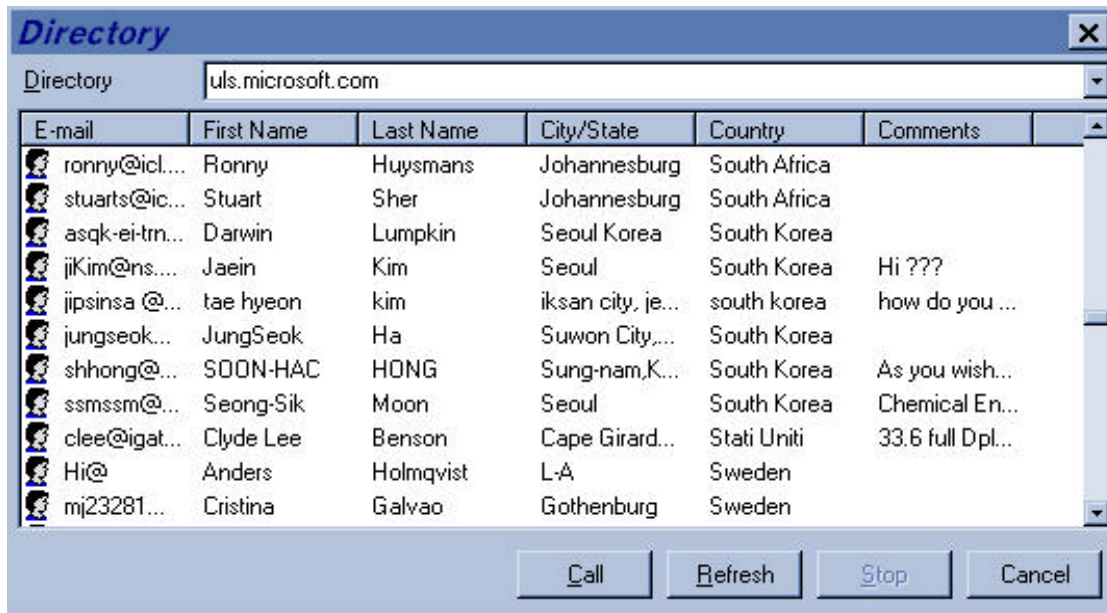
To access the uls directories go to **Call - Directory** and the following screen will appear.

| Directory	uls.microsoft.com					
E-mail	First Name	Last Name	City/State	Country	Comments	
ronny@icl....	Ronny	Huysmans	Johannesburg	South Africa		
stuarts@ic...	Stuart	Sher	Johannesburg	South Africa		
asqk-ei-trn...	Darwin	Lumpkin	Seoul Korea	South Korea		
jiKim@ns....	Jaein	Kim	Seoul	South Korea	Hi ???	
jipsinsa @...	tae hyeon	kim	iksan city, je...	south korea	how do you ...	
jungseok...	JungSeok	Ha	Suwon City,...	South Korea		
shhong@...	SOON-HAC	HONG	Sung-nam,K...	South Korea	As you wish...	
ssmssm@...	Seong-Sik	Moon	Seoul	South Korea	Chemical En...	
clee@igat...	Clyde Lee	Benson	Cape Girard...	Stati Uniti	33.6 full Dpl...	
Hi@	Anders	Holmqvist	L-A	Sweden		
mj23281...	Cristina	Galvao	Gothenburg	Sweden		

[Call] [Refresh] [Stop] [Cancel]

This screen is the default directory which is called (however this can be changed in the 'My Information' field).   To call up any of the people listed on this directory simply click on their name and then click on   **Call**.   Other directories can be found under uls1.microsoft.com / uls2.microsoft.com, and so on..

If the person you have called is connected to their network, they will receive a message on their screen telling them that you are calling in. At this point they can either 'accept' or 'reject' the call.   If they accept you will see them appear in the opening screen, and details on whether they are using audio functions or not will also appear.

At this point you should experiment with voice/audio communication, use the **Chat** function for typed conversations, use the **Whiteboard** function to paint, draw and type - or try application sharing.

Happy communicating !
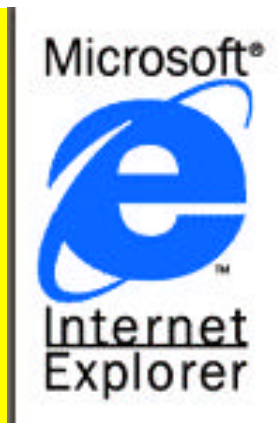
Useful E-Mail Addresses

For further information on NetMeeting, Internet Phone or CamWiz for NetMeeting please visit one of the following web sites..

www.microsoft.com/netmeeting

Microsoft NetMeeting Page

www.cst.com.au

CamWiz for NetMeeting Page

www.mmcd.com

MMCD Home Page

Thank you