SONY®

Utility for In-Wall Unit

CDP-NW10/DVP-NW50

User's Manual

Notice for users

- Copyright laws prohibit reproducing the software or the manual accompanying it in whole or in part, or renting the software without the permission of the copyright holder.
- In no event will SONY be liable for any financial damage, or loss of profits, including claims made by third parties, arising out of the use of the software supplied with this Unit.
- In the event a problem occurs with this software as a result of defective manufacturing, SONY will replace it. However, SONY bears no other responsibility.
- The software provided with this Unit cannot be used with equipment other than that which is so designated.
- Please note that, due to continued efforts to improve quality, the software specifications may be changed without notice.
- Operation of this Unit with software other than that provided is not covered by the warranty.

Program © 2005 Sony Corporation
Documentation © 2005 Sony Corporation

TABLE OF CONTENTS

Chapter 1
Getting Started

This chapter describes the features of the Utility for In-Wall Unit software, how to set up the Utility for In-Wall Unit and set up the "Server Setup, powered by DiXiM."

Overview

Important features of the the Utility for In-Wall Unit software include the following:

- Using a computer to set up each installed Unit individually or all Units simultaneously (page 9)

- Sharing music between your computer and each Unit (page 26)

- Creating original playlists (page 27)

- Using a computer to operate each installed Unit individually or all installed Units simultaneously (page 29)

- Getting CD information from the Gracenote CDDB®* (page 8)

* CD DataBase

Note
Depending upon the configuration of your computer, visual details of the Utility for In-Wall Unit software (such as window design, the size, or location of images) may differ from the pictures in this manual. The features of the software, however, operate as described.

Overview (continued)
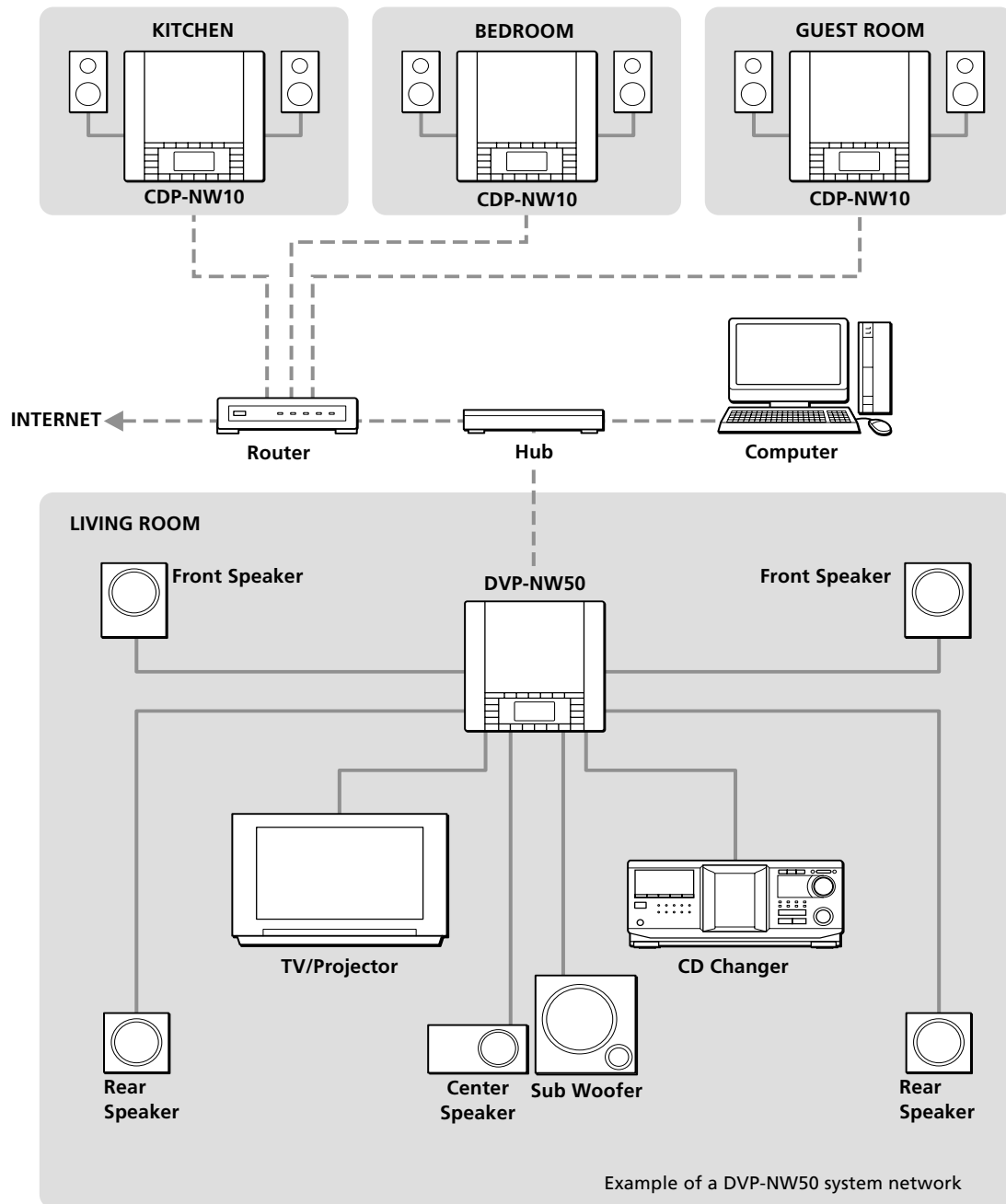
System network

The diagram below illustrates an entire system network made up of multiple Units.
Contact your nearest installer for details on making the required connections for the system network.

Note
The configuration shown below is for illustrative purposes only. It may differ from an actual system network.

Example of a DVP-NW50 system network

Setup 1: Installing the Utility for In-Wall Unit Software to Your Computer

Use the supplied CD-ROM to install the Utility for In-Wall Unit software.
A PDF version of this user's manual is installed along with the software.

System requirements

The Utility for In-Wall Unit software requires the following system environment.

Computer	IBM PC/AT or Compatible
	• CPU: Celeron® 1GHz or Pentium® III or higher, compatible (Pentium III 1 GHz or higher is recommended.) • Memory: 256 MB or more
Operating System	Factory installed: Windows® XP Home Edition with Service Pack 1 (or later) Windows® XP Professional with Service Pack 1 (or later)
Network	100BASE-T Ethernet
Display	High Color (16 bit) or higher, 800 x 600 dots or better

The following environments are not supported:
• Operating systems other those indicated above
• Personally constructed PCs or personally installed operating systems
• An environment that is an upgrade of the original manufacturer-installed operating system
• A multi-boot environment
• A multi-monitor environment
• A Macintosh environment

Installing Utility for In-Wall Unit

Before installing Utility for In-Wall Unit software

When the Utility for In-Wall Unit software is installed, the "Server Setup, powered by DiXiM" software is installed at the same time.

Disable any virus protection software before installing the Utility for In-Wall Unit software.

1 **Turn on your computer, and start up Windows.**

2 **Insert the supplied CD-ROM into your computer's CD or DVD drive.**
The setup program starts automatically, and then the installation window appears.

3 **Follow the on-screen instructions.**
Read the instructions carefully.

If any trouble occurs during the installation, see "Troubleshooting" (page 34).

To uninstall the Utility for In-Wall Unit or the "Server Setup, powered by DiXiM"

To uninstall the Utility for In-Wall Unit or the "Server Setup, powered by DiXiM," follow the steps below. To uninstall both software programs, perform the procedure twice, selecting a different program each time.

1 Click "Start" on the Windows taskbar to select "Control Panel."

2 Double-click "Add or Remove Programs."

3 Click "Utility for In-Wall Unit" or "Utility for In-Wall Unit-Server Setup, powered by DiXiM" in the "Currently installed programs" list.

4 Click "Change/Remove."
Follow the on-screen instructions to uninstall the software.

Setup 2: Connecting the Computer to the Unit

For your computer to be able to communicate with your installed Units, the computer and the Units must be on a single 100BASE-TX network. Typically, this requires 100BASE-TX Ethernet cabling and a 100BASE-TX router, hub, or switch. For details on setting up such a network, refer to the instruction manual supplied with your router, hub, or switch, and consult with the local installer of your Units.

If other network devices are connected to the same network as your Units and your computer, these devices may be able to "see" your Units on the network or may be "seen" by your Units or computer. This does not mean, however, that these other products will be able to use the network features of the Units and the Utility for In-Wall Units software, such as music streaming.

Setup 3: Setting up the Utility for In-Wall Unit Software

You can set up Units connected to your network from your computer.
Before your computer can operate your Units, the Units must be configured with such settings as IP addresses and tuner presets.
Using the Setup menu in the Utility for In-Wall Unit software, you can configure these settings either for all Units at once or for each Unit individually.
When the Music Menu appears, click "Setup Menu" on the upper right of the window to display the Setup Menu.

Setting up Gracenote CDDB®

Gracenote CDDB® is an online music recognition service to identify CDs and digital music files. You must have the Internet access in order to use Gracenote CDDB®.
You can access Gracenote CDDB® to download and Gracenote provides this service free to end-users.
Using Gracenote CDDB®, artist name, album and track titles, etc., are displayed on the wondow in the Utiltity for In-Wall Unit software and on the front panel display of your Units.
Use the following steps to configure access to the Gracenote CDDB®.

1 Double-click 🎵 ("Utility for In-Wall Unit" icon) in the task tray.

The main window appears.
You can also click "Start" on the Windows taskbar, then point to "All Programs"—"Utility for In-Wall Unit," then click "Utility for In-Wall Unit."

2 Click ▼ to select "PC."

3 Click ▼ to select the item you want to set up.

See the table below for details on each item.

Access automatically:
ON: When a CD is inserted into the Unit, information about the disc is automatically retrieved from the Gracenote CDDB®.
OFF: When a CD is inserted into the Unit, the Utility for In-Wall Unit software does not access the Gracenote CDDB®.

Use proxy server:
Same as IE:
       These proxy server settings are the same as that of in the LAN Settings window on the Connections panel of Internet Options in Windows Control Panel.
ON: Your computer accesses the Internet through a proxy server.
       Enter the appropriate proxy server IP address and port number.
OFF: Your computer accesses the Internet directly, rather than through a proxy server.

Proxy authentication:
ON: Select if a log-in window appears when your computer attempts to access the Internet through your proxy server.
       Enter a user name and password for the the Utility for In-Wall Unit software to automatically enter into the log-in window.
OFF: Select if no log-in window appears when your computer attempts to access the Internet through your proxy server.

When "Use proxy server" is set to OFF, this feature is not used.

4 Click "OK" or "Apply."

The setting goes into effect for all Units.
When you click "OK" or "Cancel," the Music Menu Window appears.

To clear the internal cache for Gracenote CDDB®

Click "Clear Cache."

To display the "Server Setup, powered by DiXiM" window

Click "Advanced."

Setting up all Units

You can configure settings such as clock, volume, privacy, and intercom, and so on for all Units simultaneously.

1 Double-click ("Utility for In-Wall Unit" icon) in the task tray.
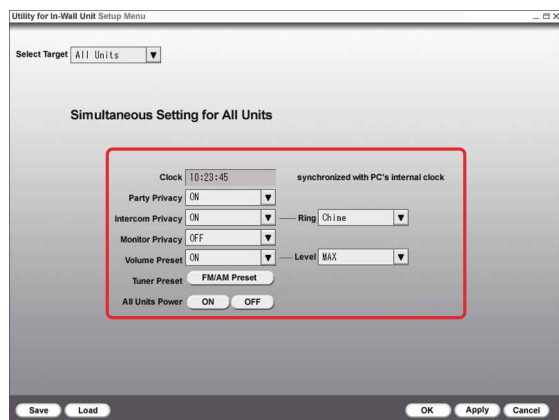The main window appears.
You can also click "Start" on the Windows taskbar, then point to "All Programs"—"Utility for In-Wall Unit," then click "Utility for In-Wall Unit."

2 Click to select "All Units."

**3 Click to select the item you want to adjust or set up.**
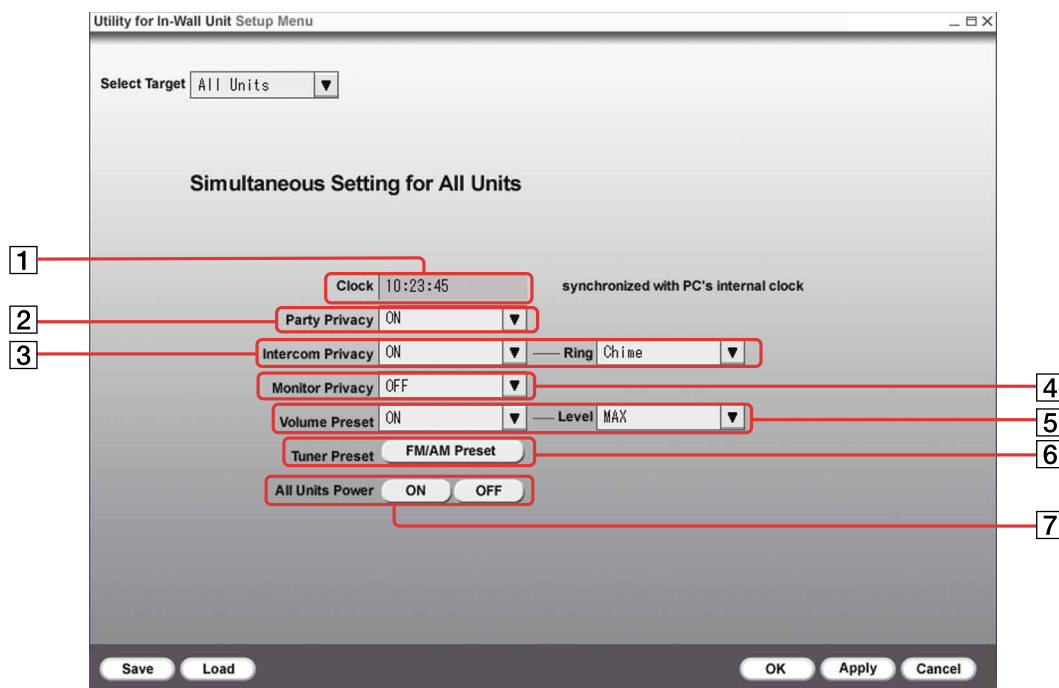For details on each item, see the next page.

4 Click "OK" or "Apply."
The setting goes into effect for all units.
When you click "OK" or "Cancel," the Music Menu Window appears.

The "Utility for In-Wall Unit Setup Menu" window for all Units

1 **Clock**

The time appeared is the same as that of the computer. You cannot change the time in this window.

2 **Party Privacy**

ON: Units do not join Party Mode.
OFF: Units join Party Mode automatically.

3 **Intercom Privacy**

ON: Units ignore the Intercom signal.
OFF: Units receive the Intercom signal.
Click ▼ to select the ring tone.

4 **Monitor Privacy**

ON: Units cannot be monitored by other Units.
OFF: Units can be monitored by other Units.

5 **Volume Preset**

ON: The Units play sound at the selected volume level.
OFF: The preset volume level is disabled.
The Units play sound at whatever volume level was set when the individual Unit was last turned off.

6 **Tuner Preset**

Click "FM/AM Preset" to configure all Units with up to 20 FM or AM radio stations. For details on how to storing FM/AM radio stations, see page 13.

7 **All Units Power**

All Units turn "ON"/"OFF" simultaneously.

Setting up each Unit individually

You can configure settings such as clock, volume, privacy, and intercom for each Unit individually.

1 **Double-click ♪ ("Utility for In-Wall Unit" icon) in the task tray.**
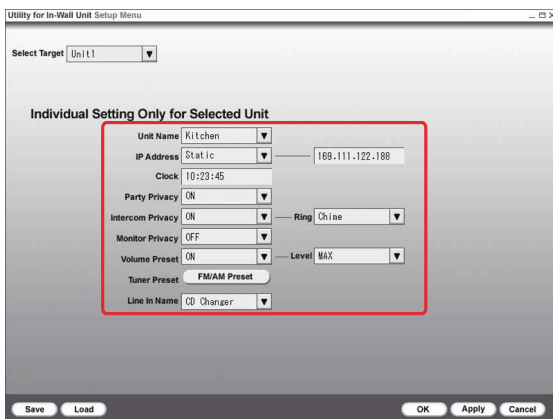
The main window appears.

You can also click "Start" on the Windows taskbar, then point to "All Programs"—"Utility for In-Wall Unit," then click "Utility for In-Wall Unit."

2 **Click ▼ to select any Units.**
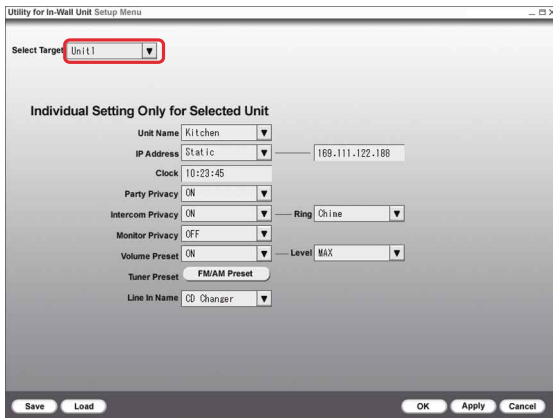
3 **Click ▼ to select the item you want to adjust or set up.**

For details on each item, see the next page.

**4** **Click "OK" or "Apply."**

The setting takes effective.

When you click "OK" or "Cancel," the Music Menu Window appears.

To save the setting data

1 Click "Save."

2 Click ⌄ to select the folder in which the setting data is to be saved.

3 Click "OK."

To load the setting data

1 Click "Load."

2 Click ⌄ to select the folder that contains the setting file.

3 Select the setting file you want to load.

4 Click "OK."

The "Utility for In-Wall Unit Setup Menu" window for each unit

1 **Unit Name**
You can enter a name of up to eight characters for each Unit.

2 **IP Address**
Static: You must enter an IP address manually.
Auto: An IP address is acquired automatically.
Tip
To use "Auto" to automatically acquire an IP address, a DHCP server must be available on the network. Most broadband routers can act as DHCP servers. Refer to the manual that supplied with your router for more information.

3 **Clock**
You can adjust the time of the selected Unit by entering a new time.

4 **Party Privacy**
ON: The selected Unit does not join Party Mode.
OFF: The selected Unit joins Party Mode automatically.

5 **Intercom Privacy**
ON: The selected Unit ignore the Intercom signal.
OFF: The selected Unit can receive the Intercom signal.
Click ▼ to select the ring tone.

6 **Monitor Privacy**
ON: The selected Unit cannot be monitored by other Units.
OFF: The selected Unit can be monitored by other Units.

7 **Volume Preset**
ON: The selected Unit plays sound at the selected volume level.
OFF: The preset volume level is disabled.
The selected Unit plays sound at whatever volume level was set when the Unit was last turned off.

8 **Tuner Preset**
Click "FM/AM Preset" to configure the selected Unit with up to 20 FM or AM radio stations. For details on how to storing FM/AM radio stations, see page 13.

9 **Line in Name**
You can enter a name for an audio component connected to the LINE IN of the selected Unit.

## Storing FM/AM radio stations (Preset memory)

You can preset up 20 FM or AM radio stations on all Units simultaneously or on each Unit individually.

1 **Double-click 🎵 ("Utility for In-Wall Unit" icon) in the task tray.**

The main window appears.

You can also click "Start" on the Windows taskbar, then point to "All Programs"—"Utility for In-Wall Unit," then click "Utility for In-Wall Unit."

2 **Click ▼ to select "All Units" or any Units.**
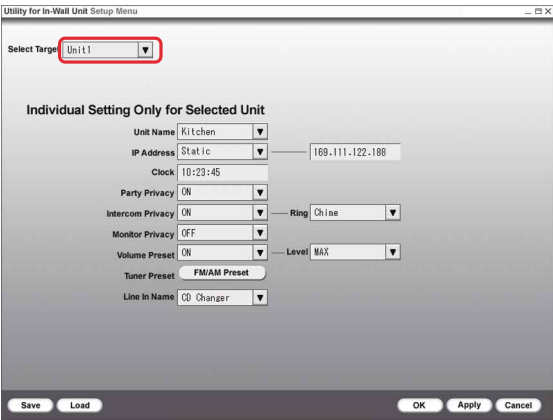
3 **Click "FM/AM Preset."**
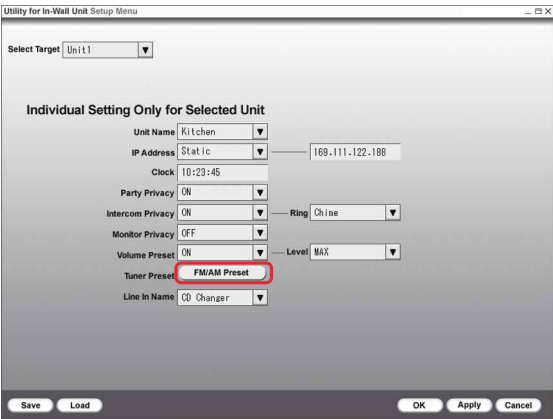
4 **Click ▼ to select "FM" or "AM."**

"Band"

5 **Click ▼ to select the frequency.**

You can also enter the frequency using the numeric keys.

"Frequency"

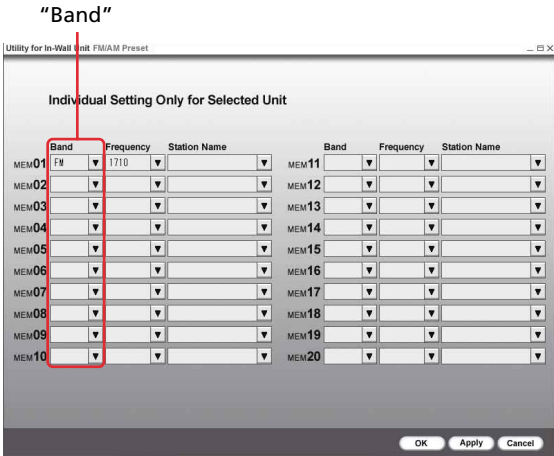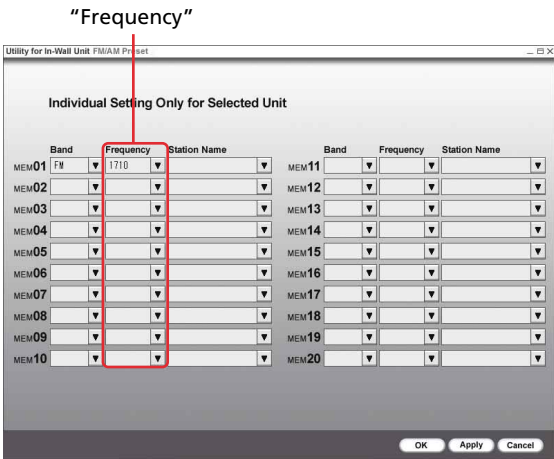**6 Enter a name for the station.**
You can enter a station name of up to eight characters. If you have previously preset the station name in one of the Units, you can enter the station name by clicking ▼ to select the station name from the list.

"Station Name"
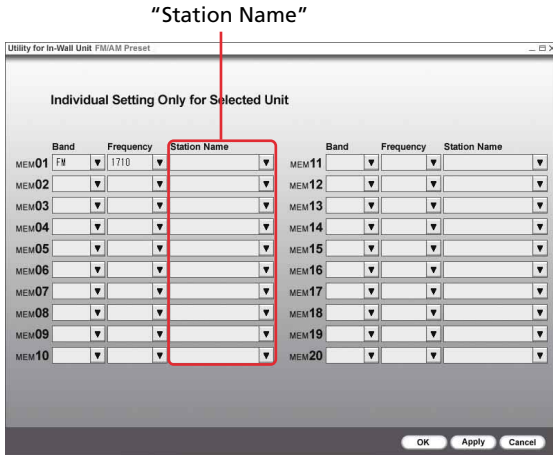
7 Click "OK" or "Apply."
The setting takes effect.
When you click "OK" or "Cancel" in this window, you return to the Setup Menu window shown in step 3.

Setup 4: Setting up "Server Setup, powered by DiXiM"

The "Server Setup, powered by DiXiM" makes it possible for you to share audio files between your computer and your Units.
You must set up the "Server Setup, powered by DiXiM" to be able to share MP3-format audio files and M3U-format playlists between the Utility for In-Wall Unit software and your installed Units.
The "Server Setup, powered by DiXiM" is a program that manages permission levels for contents.
Before using the "Server Setup, powered by DiXiM," you must configure your computer's networking environment as described in the following sections.

Settings for "Windows Firewall" for Windows XP SP2

Windows XP SP2 (Service Pack 2) contains the "Windows Firewall" features that improve security when you connect your computer to a network, and to the Internet. This feature also affects the DiXiM home network.
You can enjoy home network contents safety by setting the "Windows Firewall" feature appropriately.
To connect and enjoy DiXiM home network contents safety, make sure that you set the firewall settings correctly.
The following procedures are necessary only if you did not choose to change your Windows Firewall settings when you installed the "Server Setup, powered by DiXiM." If you choose to change your Windows Firewall settings when you installed the "Server Setup, powered by DiXiM," Windows Firewall has already been configured for you.

1 Click "Start" on the Windows taskbar to select "Control Panel."

2 Click the "Security Center" in the "Pick a category" window.
If you have changed the "Control Panel" to classic view, double-click "Windows Firewall," and go to step 4.
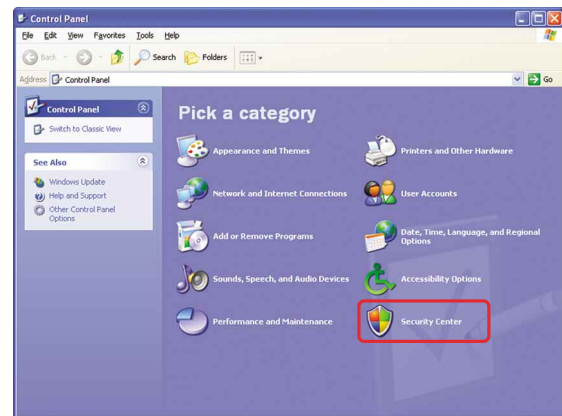
The "Windows Security center" window appears.

3 **Click "Windows Firewall."**
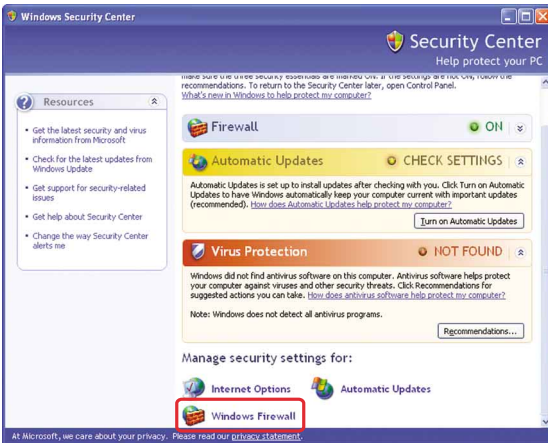
The "Windows Firewall" window appears.

4 **Click the "General" tab.**

Confirm that the "On" radio button is selected and the "Don't allow exceptions" check box is cleared, as shown below.

5 **Click the "Exceptions" tab, and click "Add Program…."**

The "Add a Program" window appears.

6 **Click "Browse…."**
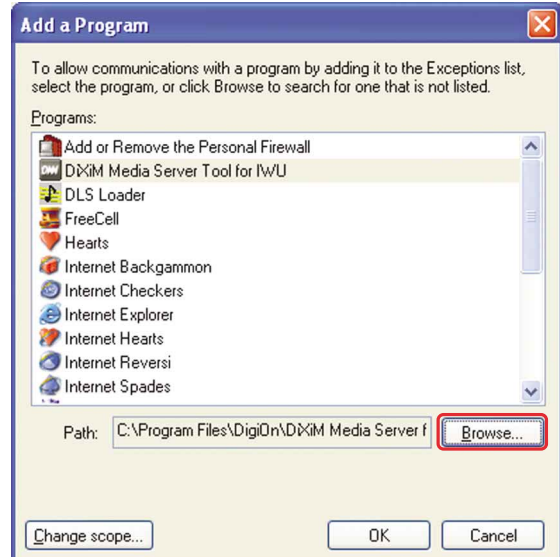
The "Browse" window appears.

7 **Click ⌄ to select the folder in which "Server Setup, powered by DiXiM" is to be installed from "Look in."**
Navigate to the folder in which you installed "Server Setup, powered by DiXiM."
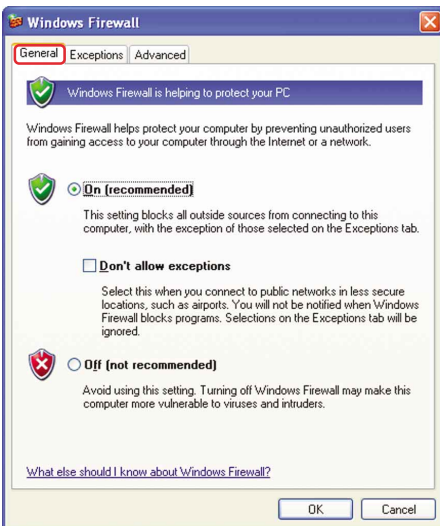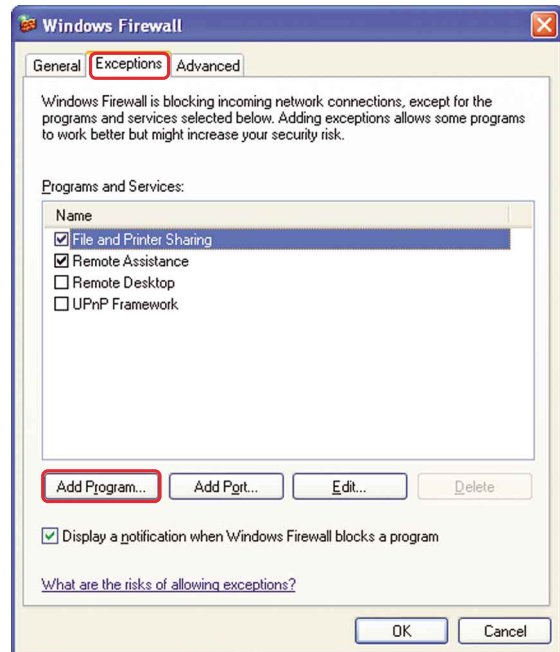If you did not change the default location when you installed "Server Setup, powered by DiXiM," click "My Computer," click "Local Disk (c:)," click "Program Files," click "DigiOn," and click "Media Server for In-Wall Unit."
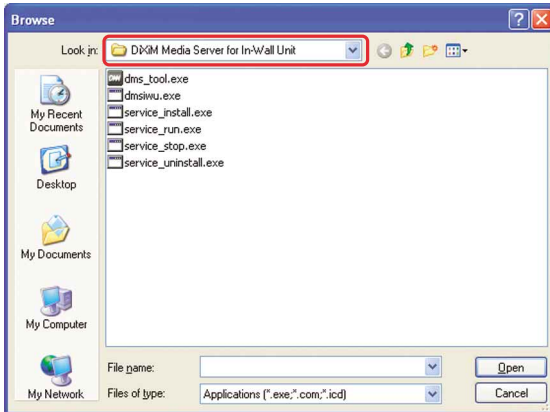
8 **Select "dmsiwu" (or "dmsiwu.exe"), and click "Open."**
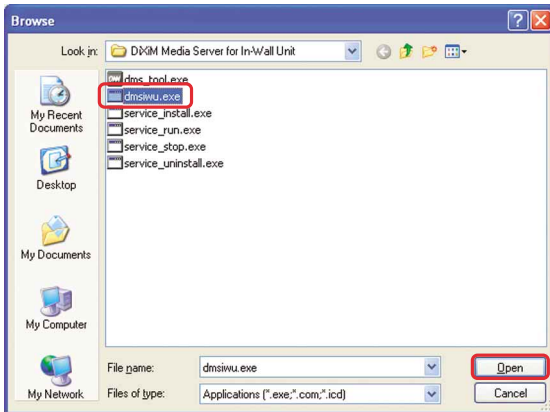
The "Add a Program" window appears again.

9 **Confirm that "dmsiwu" (or "dmsiwu.exe") has been added to the list, and click "OK."**
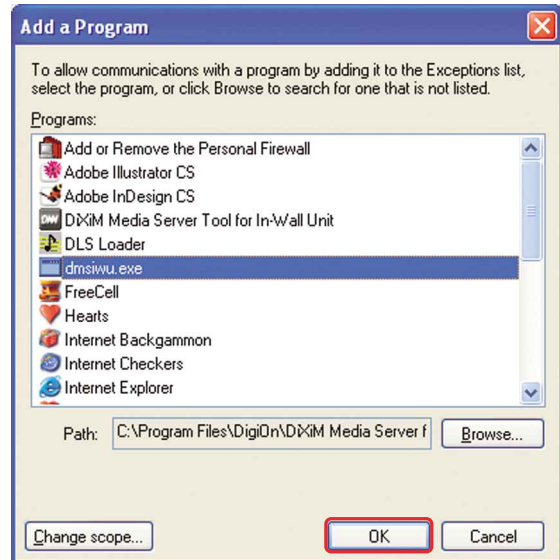
The "Windows Firewall" window appears again.

10 **Confirm that "dmsiwu" (or "dmsiwu.exe") has been added to the "Programs and Services" list, and click "OK."**
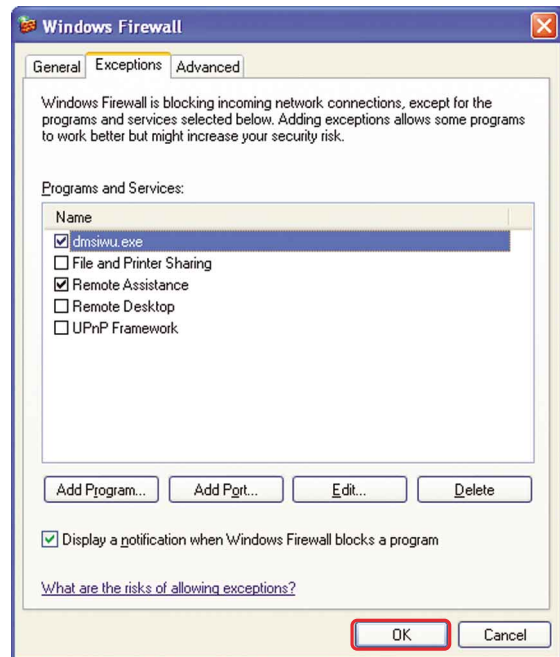
The Windows Firewall settings for the DiMiX Media Server are complete.

(Reference) Networking ports used by "Server Setup, powered by DiXiM"

The "Server Setup, powered by DiXiM" uses following ports for communication. The configuration of Windows Firewall described on pages 14 to 16 allows DiXiM communications to use these ports.

If you are using a firewall program other than Windows Firewall, configure your firewall software to allow the use of the ports described in the following table.

| Program	Feature file name	Port number	Protocol
dmsiwu.exe[1]	DiXiM SSDP Discovery	1900	UDP
	DiXiM Media Server Device	30000	TCP
	DiXiM Media Server HTTP	30001	TCP

[1] If you did not change the destination folder when you installed the software, "Server Setup, powered by DiXiM," it is installed in:

C:\Program Files\DigiOn\Media Server for In-Wall Unit\

Settings for "Internet Connection Firewall" for Windows XP SP1

Windows XP SP1 (Service Pack 1) includes a network firewall feature called "Internet Connection Firewall" that improves security when you connect your computer to a network. These new features also affect the DiXiM home network.

To be able to connect devices across your network to share contents, while maintaining an appropriate level of network security, make sure that Internet Connection Firewall is configured as described in the following procedure.

1 Click "Start" on the Windows taskbar to select "Control Panel."

2 Click the "Network and Internet Connection" in the "Pick a category" window.

If you have changed "Control Panel" to classic view, double-click the "Network Connection," and go to step 4.
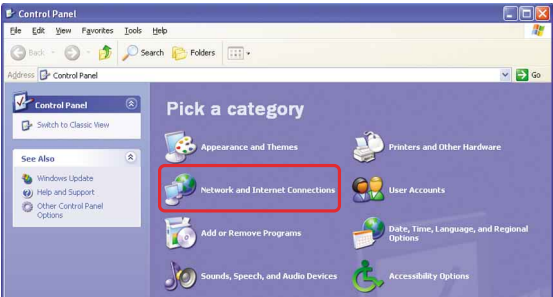
The "Network and Internet Connections" window appears.

3 Click "Network Connections."
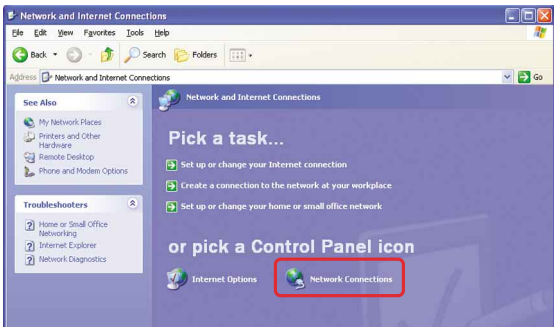
4 Double-click "Local Area Connection."

If you use a connection method other than "Local Area Connection," open the connection icon you are actually use, and match the following explanation to connection method you use.
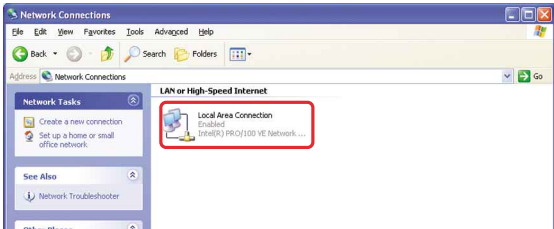
The "Local Area Connection Status" window appears.

5 Click the "General" tab, and click "Properties."
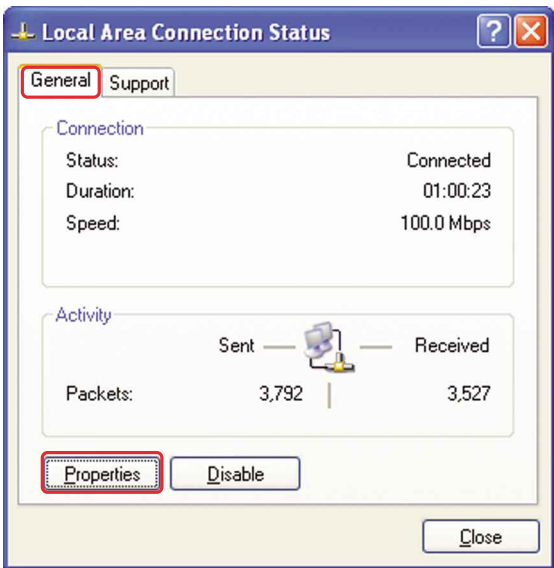
The "Local Area Connection Properties" window appears.

6 **Click the "Advanced" tab.**
Make sure that the "Protect my computer and network by limiting or preventing access to this computer from the Internet" check box is selected.
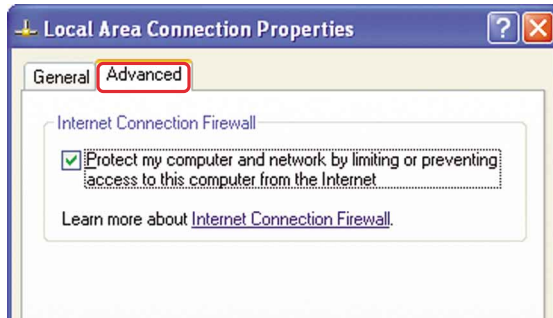
When the check box is cleared, the "Internet Connection Firewall" feature of Windows is disabled. With the "Internet Connection Firewall" feature disabled, the "Server Setup, powered by DiXiM" will work without the following steps being performed, but the network protection offered by this feature will not be provided. To enable the "Internet Connection Firewall" feature, select this check box, and continue with step 7.

7 **Click "Settings…."**

The "Advanced Settings" window appears.

8 **Click the "Services" tab, and click "Add…."**
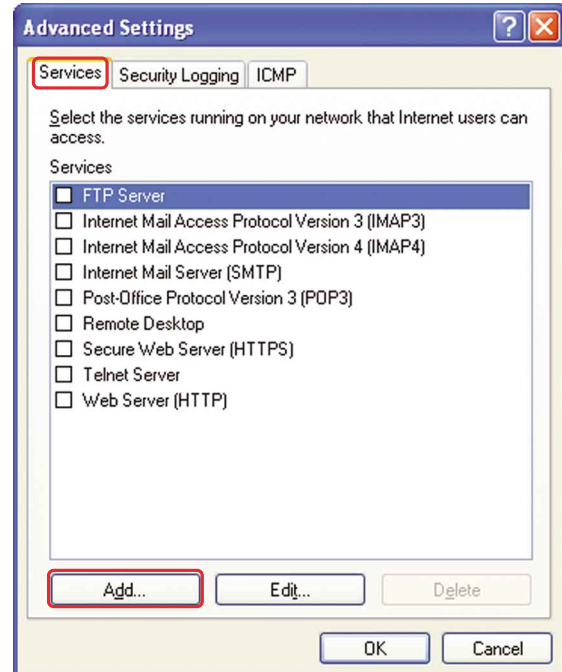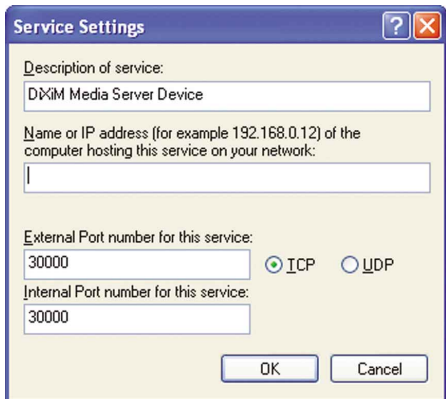
The "Service Settings" window appears.

9 Enter the information indicated into the boxes in the "Service Settings" window.

DiXiM Media Server Device

Description of service: DiXiM Media Server Device

Name or IP address (for example 192.168.0.12) of the computer hosting this service on your network:
Enter the name or IP address of your computer.

External Port number for this service:
Enter "30000," and then select the TCP radio button.

Internal Port number for this service: 30000

To determine the name of your computer, click "Start" on the Windows taskbar, right-click "My Computer," select "Properties," and click the "Computer Name" tab. The name of your computer is shown in the "Computer description" box.
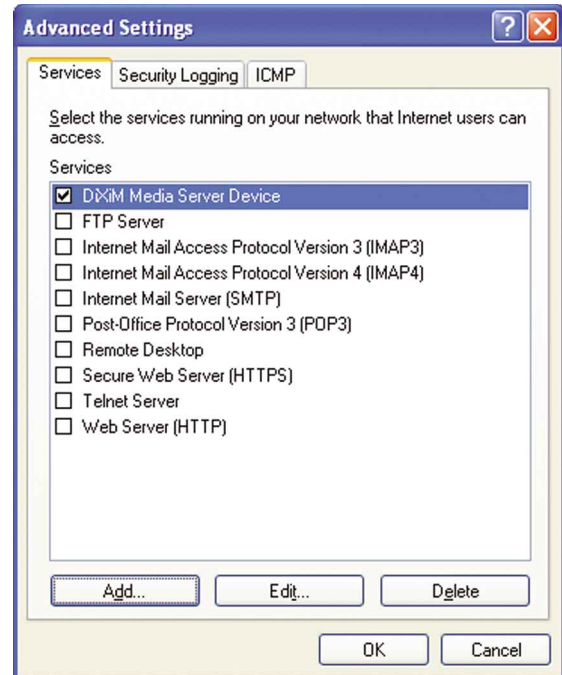
10 Click "OK."
The "Service Settings" window closes.

11 Confirm that the the DiXiM Media Server Device added in step 9 appears in the "Services" list in the "Advanced Settings" window and that the check box beside it is selected.
If the service added in step 9 does not appear, click "Add…," and complete steps 9 and 10 again.
If there is no check mark in the check box beside the service, click the check box so that a check mark appears.

12 **Repeat the process shown in steps 9 to 11 for the four following services, entering the indicated information for each.**

DiXiM SSDP Discovery Response

Description of service: DiXiM SSDP Discovery Response

Name or IP address (for example 192.168.0.12) of the computer hosting this service on your network:
Enter the name or IP address of your computer as described in step 9.
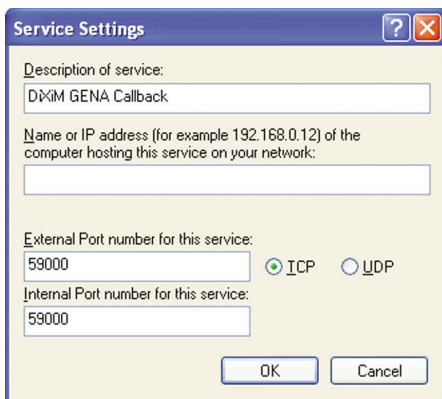
External Port number for this service:
Enter "59000," and then select the UDP radio button.

Internal Port number for this service: 59000

DiXiM GENA Callback

Description of service: DiXiM GENA Callback

Name or IP address (for example 192.168.0.12) of the computer hosting this service on your network:
Enter the name or IP address of your computer as described in step 9.
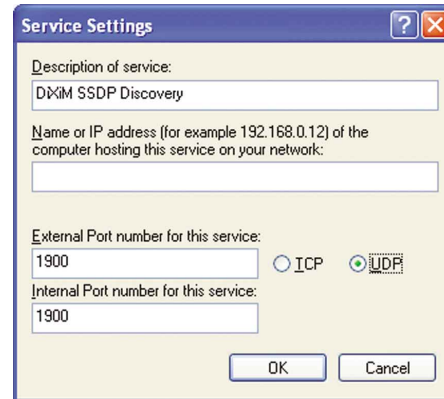
External Port number for this service:
Enter "59000," and then select the TCP radio button.

Internal Port number for this service: 59000

DiXiM SSDP Discovery

Description of service: DiXiM SSDP Discovery

Name or IP address (for example 192.168.0.12) of the computer hosting this service on your network:
Enter the name or IP address of your computer as described in step 9.
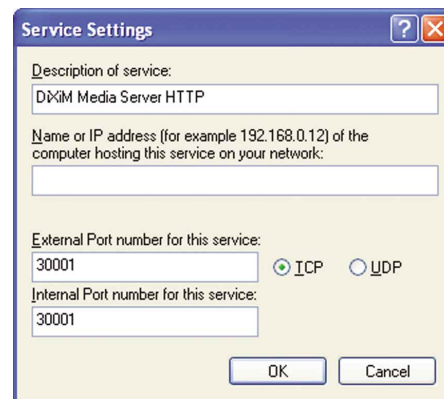
External Port number for this service:
Enter "1900," and then select the UDP radio button.

Internal Port number for this service: 1900

DiXiM Media Server HTTP

Description of service: DiXiM Media Server HTTP

Name or IP address (for example 192.168.0.12) of the computer hosting this service on your network:
Enter the name or IP address of your computer as described in step 9.

External Port number for this service:
Enter "30001," and then select the TCP radio button.

Internal Port number for this service: 30001

13 Confirm that the check boxes for the five DiXiM services you have added are selected, and then click "OK."
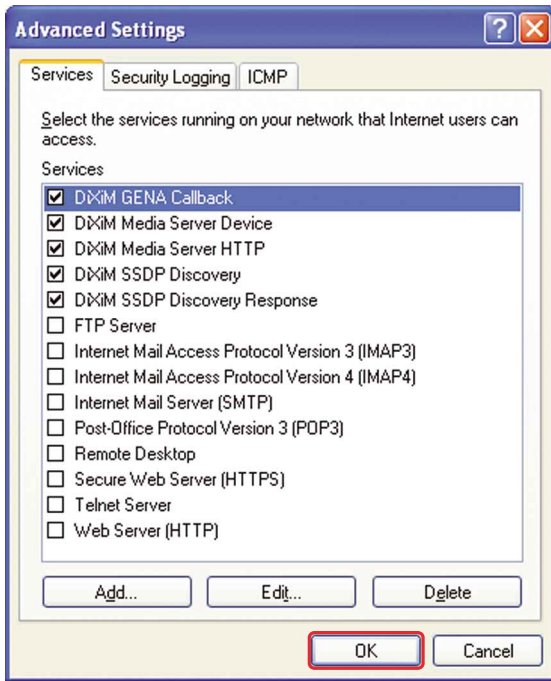
The "Advanced Settings" window closes.

14 Click "OK" in the "Local Area Connection Properties" window.
"Local Area Connection Properties" window closes. Depending on your computer, when you activate the "Internet Connections Firewall" feature, it might take several seconds for the window to close after you click "OK."

15 Click "Close" in the "Local Area Connection Status" window.
The "Local Area Connection Status" window closes.

16 Confirm the "Internet Connection Firewall" feature is on.
When the "Internet Connection Firewall" feature is on, a small icon of a lock appears on the right upper part of the "Local Area Connection" icon in the "Network Connection" window in the Control Panel. This lock icon indicates that the network protection of the "Internet Connection Firewall" feature is active.
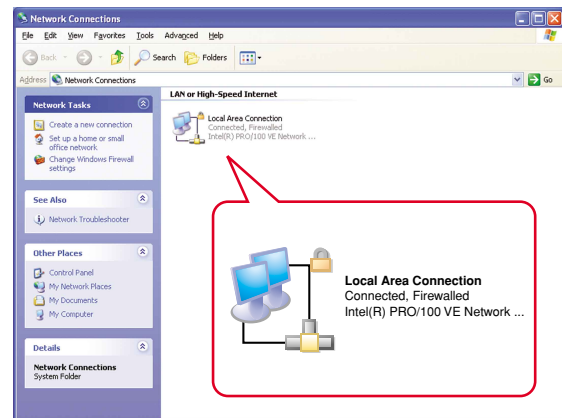
The "Internet Connection Firewall" settings are finished.

Starting "Server Setup, powered by DiXiM"

There are three ways to start "Server Setup, powered by DiXiM":
• By clicking "Advanced" in the "Setup Menu-PC" window.
• By right-clicking ♪ ("Utility for In-Wall Unit" icon) in the task tray, and selecting "Advanced setting" from the shortcut menu.
• By clicking "Start" on the Windows taskbar, and point to "All programs," – "DigOn,"- "Utility for In-Wall Unit-Server Setup," then click "Utility for In-Wall Unit-Server Setup."

Setup 4: Setting up "Server Setup, powered by DiXiM" (continued)

Basic Operations for the "Server Setup, powered by DiXiM" window.

To activate settings changes

Click "OK" or "Apply."
If you click "OK," the setting changes take effect, and the "Server Setup, powered by DiXiM" quits.
If you click "Apply," the setting changes take effect immediately, but the "Server Setup, powered by DiXiM" remains open, enabling you to make additional setting changes.
However, the setting will be activated immediately when you add or delete the shared folder as the "Shared Folder" tab is selected.

To cancel the settings

Click "Cancel."
The setting that you are entering will be deleted and the previous settings retained. The "Server Setup, powered by DiXiM" will shut down at the same time.
However, the setting will be activated immediately when you add or delete the shared folder as the "Shared Folder" tab is selected.

Starting the Media Server

1 Click the "Start/Stop Server" tab on the "Server Setup, powered by DiXiM" window.
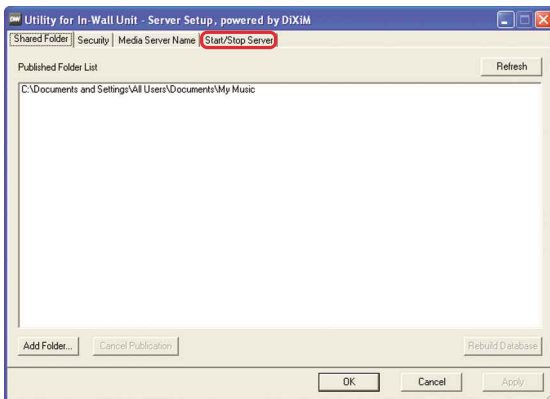
The Media Server operating status appears on the right side of the window.
Media server is not operating whenever "Start Media server" is displayed on the "Server Setup, powered by DiXiM" window.
The Media server is operating whenever "Stop Media Server" is displayed on the "Server Setup, powered by DiXiM" window.

2 Click "Start Media server."
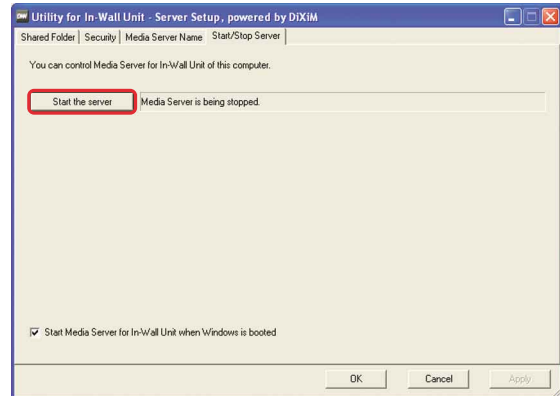
"Starting Media Server" appears.
When the Media Server starts up, "Media Server is running" appears.

To stop the Media Server

Click "Stop the server."
"Stopping Media Server" appears.
When the Media Server stops, "Media Server is being stopped" appears.

Tip
The Media Server starts automatically when the "Server Setup, powered by DiXiM" is started.

Naming the Media Server

1 Click the "Media Server Name" tab on the "Server Setup, powered by DiXiM" window.

2 **Enter a name of the Media Server in the "Media Server Name" text box.**
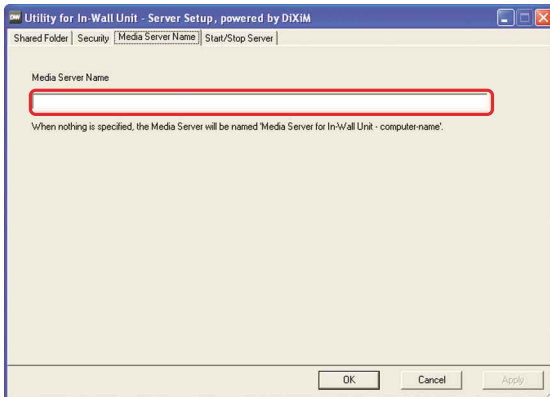
The name of the Media Server is automatically displayed in the "Media Server Name" text box if you set a name for the Media Server when you installed the "Server Setup, powered by DiXiM."
If you do not provide a name for the Media Server, the default name is "Media Server for In-Wall Unit."

3 **Click "OK" or "Apply."**

4 **Restart your computer.**

Prohibiting a Unit from accessing contents

1 **Click the "Security" tab on the "Server Setup, powered by DiXiM" window.**
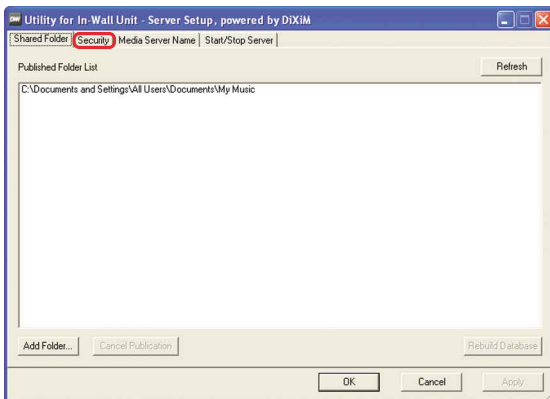
Whether a Unit can access contents stored on the computer is determined by which list the Unit is on. Only Units on the "Permitted List" can access contents on the computer.
Units on the "Denied List" cannot access contents on the computer.

2 **Select the Unit that you want to prohibit from accessing content from the "Permitted List."**
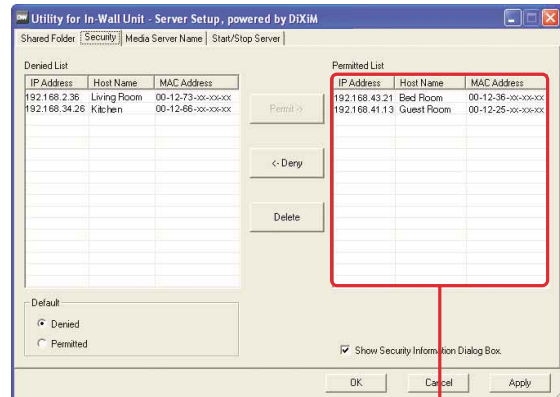
"Permitted list"

3 **Click "← Deny."**
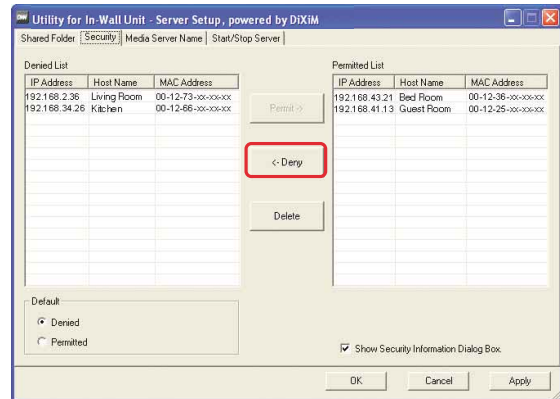
The selected Unit moves to the "Denied List."

4 **Click "OK" or "Apply" to prohibit the selected Unit from accessing content stored on the computer.**

To setting up access privileges for contents

1 Select the Unit that you want to access content from the "Denied List."

2 Click "Permit →."
The "About Security" window appears.

3 Click "Yes" to confirm that you want to grant access privileges to the selected Unit.
The selected Unit moves to the "Permitted List."

4 Click "OK" or "Apply" to allow the selected Unit to access content stored on the computer.

To delete a Unit from the "Permitted List" or "Denied List"

1   Select the Unit you want to delete from the "Permitted List" or the "Denied List."

2   Click "Delete" at the center of the window.
    The name of the selected Unit disappears from the "Permitted List" or the "Denied List."

3   Click "OK" or "Apply."
    The selected Unit is deleted from the list.
    If an access request received from the deleted Unit, it is added to the "Denied List" automatically.

Note

For security reasons, it is strongly recommended that your network be protected by a router or firewall device if it is connected to the Internet.

If your network is connected to the Internet and is not protected by such a device, it is strongly recommended that the default setting that causes new devices to be automatically placed on the "Denied List" be maintained. If you change the "Server Setup, powered by DiXiM" settings so that new devices are automatically placed on the "Permitted List," unauthorized users on the Internet may be able to access shared content on your "Server Setup, powered by DiXiM" computer.

Setting up a shared folder from "Server Setup, powered by DiXiM"

You can add a shared folder or stop sharing a folder from within either the Utility for In-Wall Unit software or "Server Setup, powered by DiXiM."
For details about adding a shared folder and stopping a folder from being shared, see page 26.

To rebuild the Media Server database

Ordinarily, the "Server Setup, powered by DiXiM" automatically keeps track of changes to the files in shared folders.

In rare situations, however, the Media Server may be unable to recognize changes to shared files. For example, if another program modifies a shared audio file, but does not update the file's modification time stamp, the Media Server may be unaware of the change and therefore not update its database of shared file information.

In this situation, you can manually force the Media Server to rebuild its database so it contains the latest shared file information.

1   Click the "Shared Folder" tab on the "Server Setup, powered by DiXiM" window.

2   Click the path of the folder whose database information you want to rebuild from the "Published Folder List."

3   Click "Rebuild Database."
    A confirmation window appears.

4   Click "Yes."
    The server database is rebuilt.

Notes

• Files and folders whose "Hidden files" property check box is selected cannot be accessed.

• The time required to rebuild the database varies with the number of files included in the shared folder. Depending on the situation, it might take a considerable amount of time to rebuild.

• A "Shared folder" (page 26) and a "Watched folder" (this page) are the same thing.

Chapter 2
Main Features

This chapter describes how to watch and create playlists, and operate the Unit from your computer using Utility for In-Wall Unit.

Starting and Quitting the Utility for In-Wall Unit Software

To start the Utility for In-Wall Unit software

Double-click ♪ ("Utility for In-Wall Unit" icon) in the task tray.

The main window appears.

You can also click "Start" on the Windows taskbar, then point to "All Programs"—"Utility for In-Wall Unit," then click "Utility for In-Wall Unit."

If the Setup Menu window appears when the software starts, you can move on to the main window by clicking "OK" or "Cancel."

To quit the Utility for In-Wall Unit software

Right-click ♪ ("Utility for In-Wall Unit" icon) in the task tray, and click "Exit" from the shortcut menu.

Watching Playlists (Import)

The default settings watch the contents of the following folder with Units on the network:
C:\Documents and Settings\All Users\Documents\My Music\
The last folder listed above shows the folder for "Shared music" in the "Shared documents" folder.
You can also select additional folders of content to watch with the network, as described in the following procedure.

1 Double-click 🎵 ("Utility for In-Wall Unit" icon) in the task tray.

The main window appears.

You can also click "Start" on the Windows taskbar, then point to "All Programs"—"Utility for In-Wall Unit," then click "Utility for In-Wall Unit."

If the Setup Menu window appears when the software starts, you can move on to the main window by clicking "OK" or "Cancel."

2 Click the "Manage" tab.
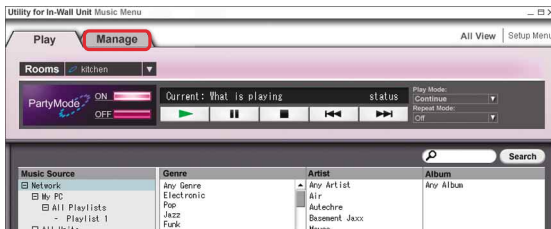
3 Click the "Import" tab.
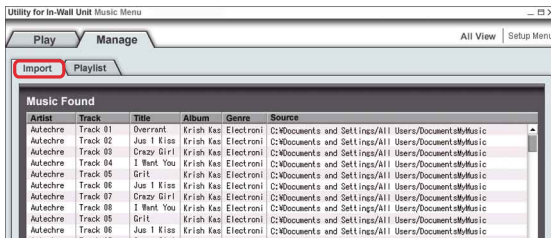
4 Click "Add Folder…."

The "Browse for Folder" window appears.
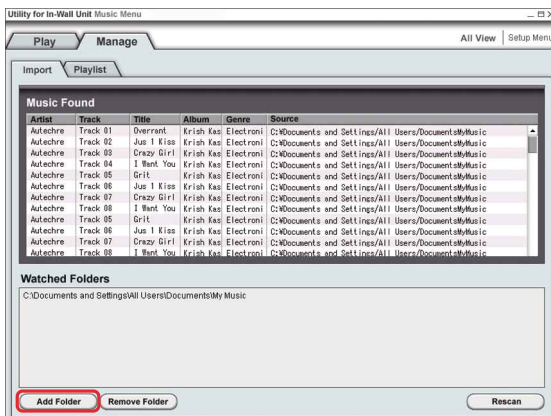
5 Select the folder you want to watch, and click "OK."
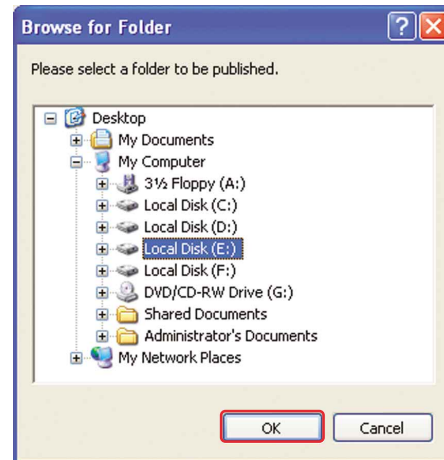
The path of the selected folder is added to the "Watched Folders," and audio files in the folder can be accessed by Units on the network.

To stop watching a folder

1 Click the path of the folder that you want to stop sharing from the "Watched Folders" in the window shown in step 3.

2 Click "Remove Folder."

A confirmation window appears.

3 Click "Yes."

The selected watched folder is removed from the "Watched Folders," and audio files in the folder are no longer accessible by Units on the network.

To verify a watched folder

Click "Rescan"

The "Watched Folders" is updated to show the current list of watched folders.

Note

A "Watched folder" and a "Shared folder" are the same thing.

Creating a Playlist Using Utility for In-Wall Unit

You can create original playlists in the Utility for In-Wall Units software by selecting MP3-format music files stored on your computer.

Using this feature, you can also group music tracks by albums, artists, and genres.

1 **Double-click** **("Utility for In-Wall Unit" icon) in the task tray.**

The main window appears.

You can also click "Start" on the Windows taskbar, then point to "All Programs"—"Utility for In-Wall Unit," then click "Utility for In-Wall Unit."

If the Setup Menu window appears when the software starts, you can move on to the main window by clicking "OK" or "Cancel."

2 **Click the "Manage" tab.**

3 **Click the "Playlist" tab.**
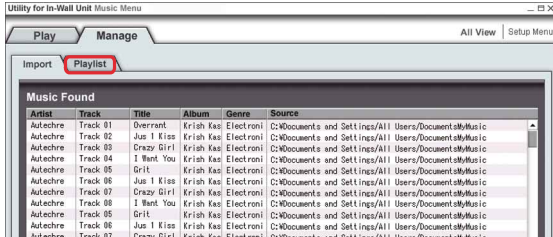
4 **Search for MP3-format music files on your computer.**

Enter the text you want to search for the names of MP3-format files into the search text box.

5 **Click "Search."**

The Utility for In-Wall Units software starts searching for MP3-format files. The found tracks are displayed in the "Search Result" list.

6 **Select the tracks you want to add to the new playlist.**
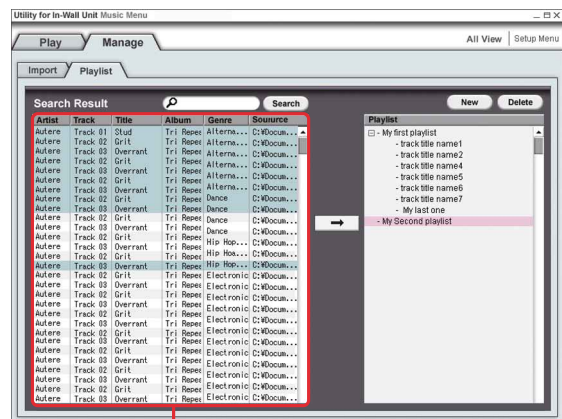
"Tracks"

7 **Click the playlist to move the selected music track.**
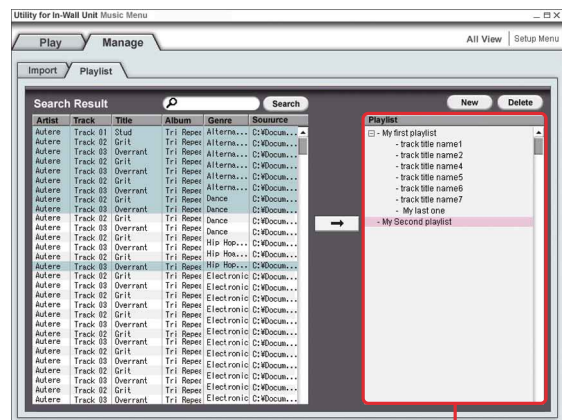
"playlists"

Creating a Playlist using Utility for In-Wall Unit (continued)

8 **Click** ⭢ **.**

You can also add tracks to a playlist by dragging them from the "Search Result" list to the name of the playlist on the "Playlist" list.
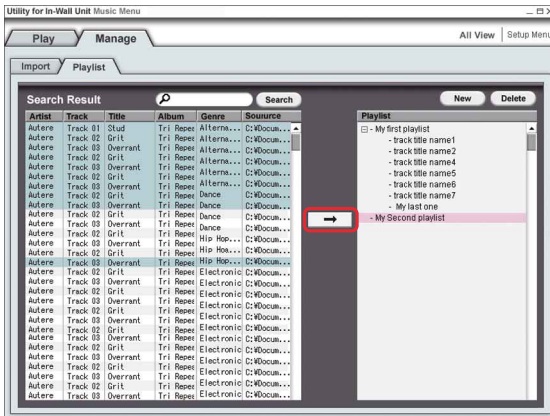
The selected music tracks are added to the selected playlist.

To create other new playlists

1 Click "New."

2 Enter a name for the new playlist.
A new playlist appears.

To delete a track or a playlist

1 Select the track or the playlist you want to delete.

2 Click "Delete."
The selected track or playlist is deleted.

Operating the Unit from a Computer

You can use many of the basic features of a Unit over the network from your computer.
When the Party mode is set to "ON," you can play selected content from "Playlists," "Disc," "Tuner," and "LINE IN" on multiple Units simultaneously.
When the Party mode is set to "OFF," you can play selected content from "Playlists," "Disc," "Tuner," and "LINE IN" on a selected Unit.

1 **Double-click 🎵 ("Utility for In-Wall Unit" icon) in the task tray.**

The main window appears.

You can also click "Start" on the Windows taskbar, then point to "All Programs"—"Utility for In-Wall Unit," then click "Utility for In-Wall Unit."

If the Setup Menu window appears when the software starts, you can move on to the main window by clicking "OK" or "Cancel."

2 **Click the "Play" tab.**

3 **Click "ON" or "OFF" to select the Party mode setting.**
- ON: The selected music plays from all Units that have Party mode enabled.
- OFF: The selected music plays from only the selected Unit. When selecting "OFF," click ▼ to select the Unit on which you want to play music.

4 **Click the + beside "Network."**

5 **Click the + beside "My PC."**

6 **Click the + beside "All Playlists."**
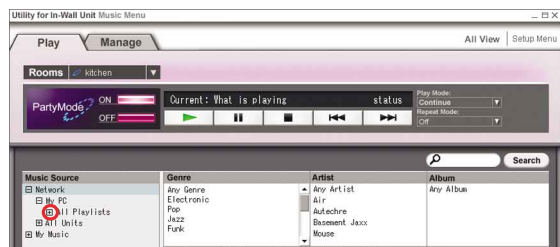
7 **Click the Playlist you want to play in the Party mode.**

8 Click [▶] to start playing the entire playlist, or double-click an individual track to start playing that track.
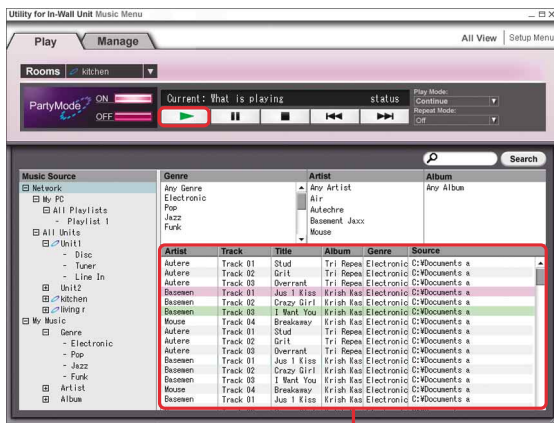
"Tracks"

To select "Disc," "Tuner," or "LINE IN" from the Unit

1 Follow steps 1 to 4 (page 29).

2 Click the [+] beside "All Unit."

3 Click the [+] beside Unit.

4 Click "Disc," "Tuner," or "LINE IN."

   When you click "Disc"
   Click [▶] to start playing the entire CD, or double-click an individual track to start playing that track.

   When you click "Tuner"
   Double-click a preset station, or click a preset station, and click [Play].

   When you click "LINE IN"
   Click [Play].

To select tracks by genre, artist, or album

1 Follow steps 1 to 3 (page 29).

2 Click the [+] beside "My Music."

3 Click the [+] beside "Genre," "Artist," "Album."

4 Click the name of your desired genre, artist, or album.

5 Click [▶] to start playing the first track in the track list, or double-click an individual track to start playing that track.

Continuous play/shuffle play

Click [▼] under "Play Mode" to select either "Continue" or "Shuffle."

If you select	Plays
"Continue"	All tracks on the selected "disc" or "playlist" in order.
"Shuffle"	All tracks on the selected "disc" or "playlist" in random order.

Repeat Play

Click [▼] under "Repeat Mode" to select a repeat mode.

If you select	Plays
"Repeat 1"	A single track repeatedly.
"Repeat All"	All tracks on the selected "disc" or "playlist" repeatedly.
"OFF"	All tracks on the selected "disc" or "playlist" only once.

Additional operations on playing music

To	Click
Stop	■
Pause	❙❙
Resume play from pause	❙❙ or ▶
Go to the next track	▶▶❙
Go back to the preceding track	❙◀◀ twice
Go back to the beginning of the current track	❙◀◀ during playback

To stop a radio and an audio component connected to LINE IN

Click [Stop].

Operating the Unit from a Computer (continued)

To search for a track by entering a keyword

1 Enter the text you want to find in a track name or an artist name into the search text box.

2 Press "Search."
The track search starts automatically.
Tracks including your search text appear in the music list.

Search text box

To switch to the Setup Menu window

Click "Setup Menu" at the top of the window.
The Setup Menu window appears.

To display the entire system status

Click "All View" at the top of the window.
A new window appears, displaying the current music source for each Unit.

Notes
- "Play Mode" and "Repeat Mode" are not available when "Tuner" or "LINE IN" is selected.
- Text Searching is not available when "Tuner" or "LINE IN" is selected as music source.
- When the room selected at the upper left of the window in step 3 (page 29) and the Unit selected on the left side of the window are different, you cannot use "TUNER" or "LINE IN" as music source.

Tips
- You can group music tracks by album, artist, and genre, and search for tracks by name and artist.
- If the selected room is already playing content from "Disc," "Tuner," or "LINE IN" when you select a room in step 3 (page 29,) the status of the currently playing content is displayed below the rooms selection box.

Other Features

Using right-click

Right-clicking in the Utility for In-Wall Unit software displays a menu of additional options. The options available change depending on where in the program you right-click.

The "Utility for In-Wall Unit Setup Menu" Window

"Title Bar"

If you right-click	Items	Function
On the title bar	Restore	The window returns to its former position.
	Move	The window can be moved in various directions.
	Size	The size of the window can be changed.
	Minimize	The window is minimized to the taskbar.
	Maximize	The window expands to full screen.
	Close	The window closes.

The "Utility for In-Wall Unit Music Menu" Window

"Title Bar"

"My PC"
"All Playlists"
"Playlist"
"All Units"
"Disc"
"Unit"

If you right-click	Items	Function
On the title bar	Restore	The window returns to its former position.
	Move	The window can be moved in various directions.
	Size	The size of the window can be changed.
	Minimize	The window is minimized to the taskbar.
	Maximize	The window expands to full screen.
	Close	The window closes.
On "My PC," or "All Playlists"	Setup	The "Utility for In-Wall Unit Setup Menu" window for your computer appears.
On "Playlist"	Properties	The path to the playlist file appears.
	Setup	The "Utility for In-Wall Unit Setup Menu" window for your computer appears.
On "All Units"	Setup	The "Utility for In-Wall Unit Setup Menu" window for all Units appears.
On "Disc"	CDDB Dialogs	The dialogs for CDDB appear.
On "Unit"	Properties	The original unit number and Privacy setting status appear.
	Setup	The "Utility for In-Wall Unit Setup Menu" window for the selected Unit appears.

Other Features (continued)

Taskbar
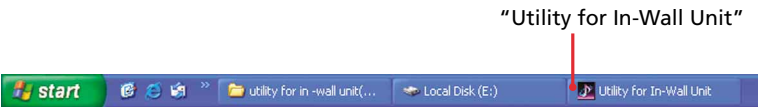
If you right-click	Items	Function
On "Utility for In-Wall Unit"	Restore	The window returns to its former position.
	Move	The window can be moved in various directions.
	Size	The size of the window can be changed.
	Minimize	The window is minimized to the taskbar.
	Maximize	The window expands to full screen.
	Close	The window closes.

Task Tray

"Utility for In-Wall Unit" icon
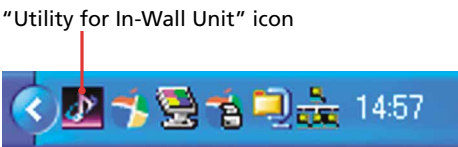
If you right-click	Items	Function
On "Utility for In-Wall Unit" icon	Setup Menu	The "Utility for In-Wall Unit Setup Menu" window appears.
	Music Menu	The "Utility for In-Wall Unit Music Menu" window appears.
	Support website	The Sony product support Web site (http://productregistration.sony.com) appears.
	Gracenote website	The Gracenote CDDB® Web site (http://www.gracenote.com) appears.
	Version Information	The version information window appears.
	Advanced Settings	The "Server Setup, powered by DiXiM" window appears.
	Exit	The application closes.

Chapter 3
Additional Information

This chapter provides you with additional information that will help you understand and maintain your system.

Troubleshooting

If you have problems while using the Utility for In-Wall Unit software, check the items below.
If the problem persists, contact your nearest Sony dealer or a customer support center.

Display

The window does not respond or the responses are wrong.
➡ Turn off the Unit by pressing I/⏻ (POWER) on the Unit and the AC power unit, turn the Unit and AC power unit back on, and then quit and restart the Utility for In-Wall Unit software.
➡ Start another software program that you use frequently, and confirm that the computer is functioning normally.
➡ Uninstall Utility for In-Wall Unit software and then re-install it again.

A Unit is not displayed on the "Music Source" list in the "Utility for In-Wall Unit Music Menu" window.
➡ Make sure that the Unit is properly connected. Refer to the Installer's manual.
Check network settings on your computer.
➡ Turn off the Unit by pressing I/⏻ (POWER) on the Unit and the AC power unit, turn the Unit and AC power unit back on, and then quit and restart the Utility for In-Wall Unit software.

An MP3 file is not displayed in a track list.
➡ The MP3 track does not have the extension ".MP3" (or ".mp3").
➡ The MP3 track does not reside in a watched folder specified in the "Import" tab window.
➡ Click "Rebuild Database" for the shared folder that includes the MP3-format file in the "Server Setup, powered by DiXiM" window.
➡ Media server is not running. Start Media Server (page 22).

A playlist is not displayed on the "Music Source" list in the "Utility for In-Wall Unit Music Menu" window.

➡ The playlist does not have the extension ".M3U" (or ".m3u").

➡ The playlist is not in M3U-format.

➡ The playlist does not reside in a watched folder specified in the "Import" tab window.

➡ Rebuild the database for the shared folder that includes the playlist in the "Server Setup, powered by DiXiM" window (page 24).

➡ Media server is not running. Start Media Server (page 22).

Sound

There is no sound from a Unit.

➡ Make sure that the Unit is properly connected. Refer to the Installer's manual.
Check network settings on your computer.

➡ Turn off the Unit by pressing **I**/⏻ (POWER) on the Unit and the AC power unit, turn the Unit and AC power unit back on, and then quit and restart the Utility for In-Wall Unit software.

Network

MP3 files or playlists cannot be browsed from a Unit.

➡ The Unit has not been given access privileges for content on your computer in the "Server Setup, powered by DiXiM" window (page 23).

➡ Make sure that "Windows Firewall" (Windows XP SP2, page 14) or "Internet Connection Firewall" (Windows XP SP1, page 17) is set up properly.

The message "Can't access CDDB" appears.

➡ Make sure that your computer's Internet connection is properly configured and working.

➡ If your computer accesses the Internet through a proxy server, make sure your computer is properly configured to use the proxy server.

Cannot obtain album or track information from Gracenote CDDB®.

➡ The Gracenote CDDB® does not have information for the tracks.

➡ Make sure that your computer's Internet connection is properly configured and working.

➡ If your computer accesses the Internet through a proxy server, make sure your computer is properly configured to use the proxy server.

Operation

An MP3 track track cannot be played.

➡ The MP3-format file does not have the extension ".M3U" (or ".m3u").

➡ The file does not contain MP3 audio data, even though its file extension is ".MP3" or (".mp3").

Cannot uninstall Utility for In-Wall Unit software.

➡ Stop the service.
Right-click 🎵 in the task tray, and select "Exit" from the shortcut menu.

Error Messages

If any of the messages below appear on your computer, check the following table to solve the problem. If any problem persists, consult your nearest Sony dealer.

Setting up Utility for Unit

Message	Cause	Corrective action
This application has already started by another PC in the LAN	Another computer connected to your network has already started the Utility for In-Wall Unit software.	Only one computer at a time on a particular network can run the Utility for In-Wall Unit software.
The same name is already being used	The Unit name you entered is already in use by another Unit on the network.	All device names on the network must be unique. Enter a different name.
The same IP address is already being used	Another Unit on the network is already using the IP address you entered.	The IP addresses of devices on the network must be unique. Enter a different IP address.
All units' set up will be overwritten. OK ?	This message appears when "OK" or "Apply" is clicked in the "Utility for In-Wall Unit Setup Menu" window for all Units.	Click "OK" to continue with overwriting the setup data for all Units. Click "Cancel" to cancel overwriting of the setup data for all Units.

Selecting the Playlist from your computer

Message	Cause	Corrective action
No Playlist found	The search did not find any playlists matching the criteria you entered.	
Application found a playlist incompatible with M3U. Please convert the playlist into M3U format.	This message is displayed when a playlist is found that is not in M3U-format.	Convert the playlist into M3U-format.
The selected playlist/track will be deleted. Are you sure?	This message is displayed when you try to delete a playlist or a track.	Press "OK," and a playlist or a track will be deleted.

Selecting "Disc" from your computer

Message	Cause	Corrective action
Can't access the specified unit	The computer cannot access the specified unit for some reason.	Contact your nearest installer to check your network and electrical connections.
No Disc	This message is displayed if you select CD/DVD as the input source when there is no disc mounted in the drive of the selected Unit or computer.	Insert a disc appropriate to the drive in the Unit or computer.
Door is open	For safety reasons, closing a Unit's door remotely is not supported.	Go to the unit whose door is open, and close it.

Error Messages (continued)

Using the Party mode function

Message	Cause	Corrective action
Party mode cannot be started	The Party Privacy setting for all Units is set to ON.	Change the Party Privacy setting for the Units you want to participate in Party mode to OFF.

Not using the Party mode function

Message	Cause	Corrective action
The selected rooms' unit is occupied now. Do you want to change the music source?	This message appears when the selected unit is already occupied.	Click "OK" to stop the music being played by the Unit. Click "Cancel" to leave the Unit's music source unchanged.

Getting CD Information from Gracenote CDDB®

Message	Cause	Corrective action
Can't access CDDB	The computer cannot access the Gracenote CDDB® for some reason.	Confirm that your computer's Internet connection is properly configured and working.

Trademarks and Copyrights

- Microsoft, Windows and Windows NT are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
- ™ and ® marks are omitted in this manual.
- Macintosh is the registered trademark of Apple Computer, Inc. in the United States and/or other countries.
- IBM and PC/AT are registered trademarks of International Business Machines Corporation.
- Pentium and Celeron are trademarks or registered trademarks of Intel Corporation.
- All other trademarks and registered trademarks are trademarks or registered trademarks of their respective holders.

DigiOn/DiXiM

- DigiOn and DiXiM are registered trademarks of DigiOn, Inc.

- DigiOn and DiXiM are registered trademarks of DigiOn Ltd.
- Microsoft and Windows are the registered trademarks or trademarks in the United States and other countries of Microsoft Corporation.
- Intel, Celeron, and Pentium are registered trademarks of Intel Corporation.
- Other company names and product names, etc., that have been described are the registered trademarks or trademarks of each company.
- "DiXiM" is a multimedia home network solution developed by DigiOn Ltd.
  For details, refer to the DigiOn Web site (http://www.digion.com/).
- DigiOn Ltd. develops and sells application software such as the multi-track sound editing software, "DigiOnSound," the music DVD creation software "DigiOnAudio," the video editing software series, "DigiOnVideo," the DVD authoring software series, "DigiOnAuthor for DVD" and the CD/DVD writing software series "Drag'n Drop CD plus DVD Edition." DigiOn Ltd. is a software manufacturer with strengths in digital storage, audio visual, and CD/DVD technology. DigiOn developed the multimedia home network solution, "DiXiM," based on its own the technology. DigiOn also developed the middleware product, "DiXiM," for multimedia home network use and the accompanying PC application software in-house.
- It is prohibited to reproduce all or any part of this manual without the permission of DigiOn Ltd.
- The contents of this manual may change at any time without prior notification.
  Even if loss or damage is caused by use of information provided in this manual, it doesn't assume the responsibility though the attention of thorough is paid and help is produced.
- The images, illustration, and music, etc., are protected as the property of the author by Copyright law.
  Copyright law prohibit any persons from duplicating (copying) or recording DVD, CD, TV broadcast, or radio contents, etc., offered for commercial use or rental, except for private viewing.
  Please note that it is necessary to obtain permission from the author if the user is not the author of material used in a homepage, etc., when such use exceeds the definition of private use, or when distribution involves sale or transfer of rights.
- DiXiM Media Server is based in part on the work of the Independent JPEG Group.
- DiXiM Media Client and DiXiM Media Server are based in part on expat.
- Copyright © 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper Copyright © 2001, 2002, 2003 Expat maintainers.
  Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:
  The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.
  THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Trademarks and Copyrights (continued)

Gracenote/CDDB

Corporate description

Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information visit www.gracenote.com.

Proprietary legends

CD and music-related data from Gracenote, Inc., copyright © 2000-2005 Gracenote. Gracenote CDDB® Client Software, copyright 2000-2005 Gracenote. This product and service may practice one or more of the following U.S. Patents: #5,987,525; #6,061,680; #6,154,773, #6,161,132, #6,230,192, #6,230,207, #6,240,459, #6,330,593, and other patents issued or pending. Services supplied and/or device manufactured under license for following Open Globe, Inc. United States Patent 6,304,523.

Gracenote and CDDB are registered trademarks of Gracenote. The Gracenote logo and logotype, and the "Powered by Gracenote" logo are trademarks of Gracenote.

Sony Corporation

http://www.sony.net/