YAMAHA

MCX-2000

Digital Audio Server

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Owner's Manual Addendum

for Version 2

MusicCAST
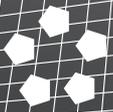
About This Manual

This manual describes the firmware update procedure and the information about the new features. Refer to "MCX–2000 OWNER'S MANUAL", "MCX–2000 Setup Guide", or the instruction manuals of your MusicCAST clients for details about the basic operations.

Functions, specifications, and designs of the screen are subject to change in part as a result of improvements, etc. In case of differences between the manual and the product, the product has priority. The illustrations and operation screens as shown in this firmware update manual are for instructional purposes only, and may appear somewhat different from those of your products.

Table of Contents

Features

Feature	Description	Applied Devices
Windows Media Connect Compatibility	Allows you to play the audio contents stored on your personal computer with Windows Media Connect 2.0 installed.	MCX-2000
Directory Browse of Internet Radio Stations	Allows you to browse the Internet radio stations easily with the database of the Internet radio stations provided by vTuner.	MCX-2000
Look/Feel	Allows you to change the background and icons of the on screen display (OSD).	MCX-2000
Album Arts	Allow you to display the album arts of the albums.	MCX-2000
FAVORITES (1 – 4) Keys	Allow you to assign the desired items (artists, radio stations, etc.) to the FAVORITES (1 – 4) keys on the remote control.	MCX-2000
MENU (1 – 3) Keys	Allow you to change the preset menu items of the MENU (1 – 3) keys from the default settings.	MCX-2000
Song Data Backup and Restore	Allow you to back up the song data stored on this unit to your personal computer and restore the song data to this unit from your personal computer.	MCX-2000

NOTE This firmware update also includes the MusicCAST client firmware update (See page 5 for details).

DM™   DigiOn and DiXiM are registered trademarks or trademarks of DigiOn, Inc.

Windows XP, Internet Explorer, Windows Media, Windows Media Audio, and Windows Media Connect are either registered trademarks or trademarks of Microsoft corporation in the United States and/or other countries.

Other company names and product names mentioned in this document may be either trademarks or registered trademarks of their respective owners and are hereby acknowledged.

General Information

Updating the MusicCAST Server Firmware

CAUTION

Do not disconnect the power cable while this unit is in the firmware update procedure.

Follow the procedure below to update the firmware on this unit. You need to perform the firmware update in advance to use the new features in the firmware update.

1 Select "Top Menu" > "Setup" > "System Utilities" > "System Update".
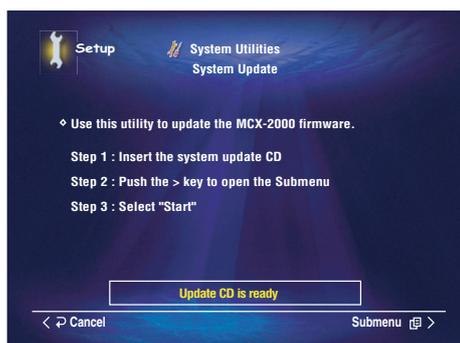The following display appears in the OSD.
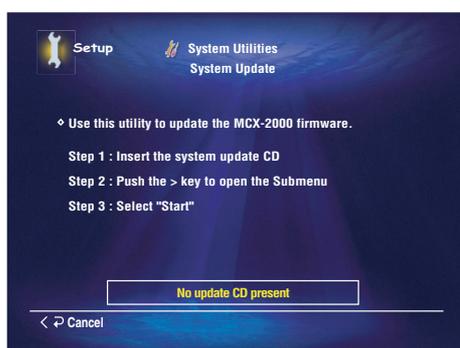
2 Press OPEN/CLOSE on the front panel (or the remote control), and then load the firmware update CD with its label side facing up.
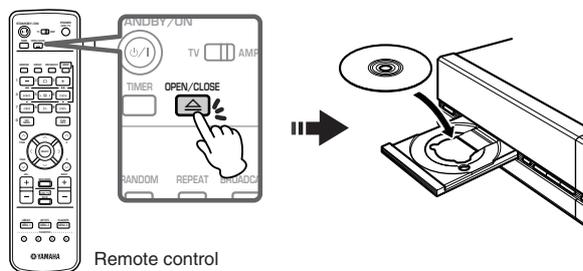
Remote control

3 Press OPEN/CLOSE on the front panel (or the remote control) to close the CD tray.
This unit starts reading the data of the update CD, and then the following display appears in the OSD.

4 Push the center stick rightward on the front panel (or press > on the remote control) to open the Submenu, and then select "Start".
The OSD disappears, and the following screen appears in the front panel display.
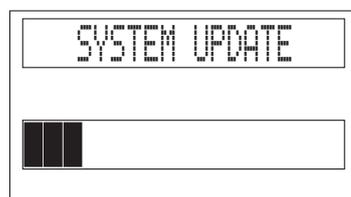
NOTE It takes about 20 minutes to update the firmware of the server.

5 When the following message appears in the front panel display, press OPEN/CLOSE on the front panel (or the remote control) to open the CD tray, and then unload the firmware update CD.
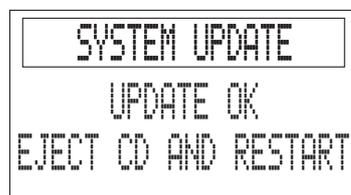
6 Press STANDBY/ON on the front panel (or the remote control) twice to reboot this unit.

NOTE Once this unit reboots, select "Top Menu" > "Setup" > "System Utilities" > "System Information" > "Version" to make sure the version of the firmware of this unit is 2.0 (or later).

NOTE If the firmware update fails, an error message appears in the front panel display. In such cases, try the firmware update procedure again. If the same error message appears in the front panel display again, consult with an authorized YAMAHA service center.

Updating the MusicCAST Client (MCX-A10 or MCX-C15) Firmware

CAUTION

Do not disconnect the power cable while the MusicCAST client in the firmware is in the firmware update procedure.

At times YAMAHA releases updates to the firmware in either or both the client and the server. These updates are generally aimed at improving the experience of using your MusicCAST equipment. Follow the instructions provided with the firmware update carefully. Do not use the update procedure unless specifically instructed to do so.

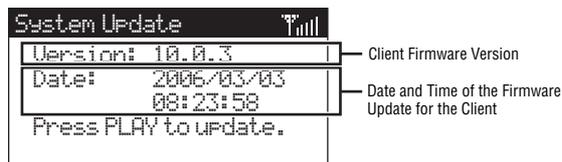**1** Update the server firmware in advance.
See page 4 for details.

2 Select "Top Menu" > "Setup" > "System" > "System Update".
The following illustration is an example of the message appears in the front panel display of MCX-A10.

```
┌─────────────────────────────┐
│ System Update          ▼ ▐█ │
│ ┌─────────────────────────┐ │ ── Client Firmware Version
│ │ Version: 10.0.3         │ │
│ │ Date:    2006/03/03     │ │ ── Date and Time of the Firmware
│ │          08:23:58       │ │    Update for the Client
│ └─────────────────────────┘ │
│   Press PLAY to update.     │
└─────────────────────────────┘
```

3 Press ▷ on the front panel of the client (or ▷ on the remote control of the client) to start the firmware update for the client.
The client receives the latest firmware from the server, and then updates its own firmware. During the update process, the client display shows several messages.

4 The client reboots automatically when the procedure of the firmware update is complete.

NOTE Once the client reboots, select "Top Menu" > "Setup" > "System" > "Information" to make sure the version of the firmware of the client is 10.2 (or later).

NOTE If the firmware update fails, some functional defects in the client may result. In such cases, try the firmware update procedure again. If the same functional defects in the client persist, contact with an authorized YAMAHA service center.

MCX-2000 Menu Tree

The following menu tree illustrates the structure of the menu with this unit of this version of the firmware.

Top Menu
- Library
  - Music Archive
    - Artists
    - Albums
    - Genres
    - All Songs
    - Playlists
    - Bookmarks
    - Statistics
  - Radio
    - FM
    - XM (US model only)
    - Internet Radio (page 10)
      - ☆ Direct Access URL List
      - ☆ Locations
      - ☆ Genres
      - ☆ New Stations
      - ☆ Popular Stations
      - ☆ Podcasts
      - ☆ Recently Played Stations
    - Preset
  - Network Content (page 7)
  - CD
  - Inputs
    - Digital Input
    - Analog Input
- Recording
  - Store from CD
  - Store from Radio
  - Store from Inputs
  - Duplicate a CD
  - Create an Original CD
- Client Control
  - Client 1
  - :
  - Client 15
- Setup
  - Timer
  - Network
    - Client Configuration
      - Auto Configuration
      - Manual Configuration
    - Status View
      - Server IP Address
      - Wireless LAN
    - Advanced Settings
      - IP Address
      - Wireless LAN
      - Network Settings Reset
  - Date/Time
    - Auto Setup
    - Manual Setup
    - Time Display
  - Playback
  - Recording
  - CD Lookup
  - User Interface
    - Front Panel Display
    - Page displayed at Power ON
    - Screen Saver
    - Language
    - PS/2 Keyboard
    - ☆ Remote Control
      - ☆ Favorite Key (page 17)
      - ☆ Menu Key (page 18)
    - ☆ Look/Feel (page 12)
      - ☆ Background
      - ☆ Icon
  - YAMAHA AV Receiver
  - System Utilities
    - System Information
      - Version
      - Hard Drive Capacity
      - MP3 Encode Schedule
      - Controllable YAMAHA AV Receivers
    - System Reset
    - System Update
    - Lock Function
    - ☆ Song Data Management (page 20)
      - ☆ Song Data Backup (page 22)
      - ☆ Song Data Restore (page 24)
  - Easy Setup

NOTE ☆ indicates the menu added by this firmware update.

New Features in Version 2

Using This Unit with Microsoft Windows Media Connect 2.0

Use this feature as an alternative to DiXiM Media Server (included in the MCX–2000 package) to access the shared music files stored on your PC.

Microsoft Windows Media Connect is the technology that allows you to share the music files stored on your personal computer (PC) with the digital media receivers (the AV components compatible with Windows Media Connect). When you connect this unit to your PC with Windows Media Connect 2.0 installed, this unit acts as the digital media receivers, and you can enjoy playing back the audio contents stored on your PC.

NOTE Refer to the documents of Windows Media Connect 2.0 for details about the PC system requirements to this feature.

Connecting This Unit and Your PC by Using Windows Media Connect 2.0

To use this unit with Windows Media Connect 2.0, you have to connect this unit to your PC and configure them appropriately. The following procedure is a standard example. Some details of the function may vary according to your PC configuration and connection environment.

1 Install Microsoft Windows Media Connect 2.0 to your PC.

You can download the installer of Microsoft Windows Media Connect 2.0 from the Microsoft website.

NOTE Read the documents of Windows Media Connect 2.0 carefully when you install Windows Media Connect 2.0 to your PC. The documentations about Windows Media Connect 2.0 are on the Microsoft website.
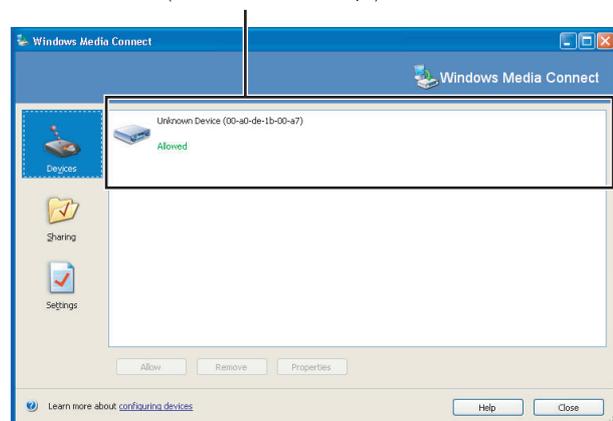
2 Activate the Windows Media Connect 2.0 application.
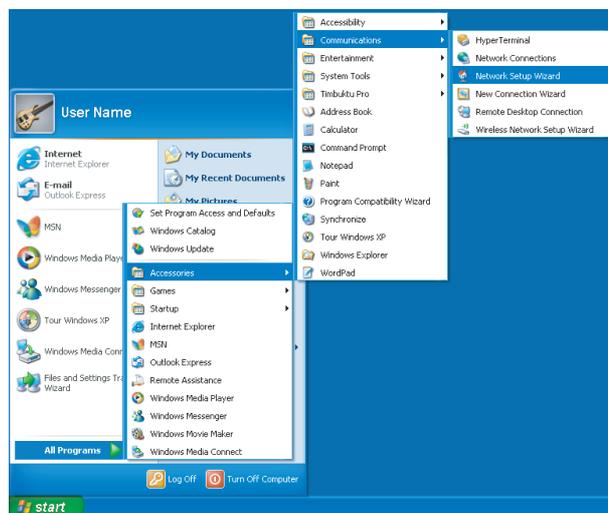
3 Click on the "Devices" icon on the Windows Media Connect 2.0 application window, and then confirm that the server has been recognized.

Once this unit has been recognized, the name of the server appears in the Windows Media Connect 2.0 application window as follows.

This unit (The MAC address is an example)

NOTE When there are some digital media receivers in the same local area network, the names, icons, or statuses appear in the Windows Media Connect 2.0 application window.

4 Click on the "Sharing" icon on the Windows Media Connect 2.0 application window, and then select the desired folders to be shared with this unit.
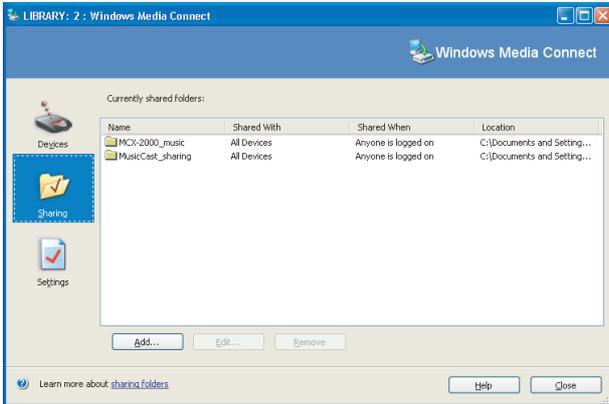
5 Click on the "Settings" icon on the Windows Media Connect 2.0 application window, and then configure the settings appropriately.
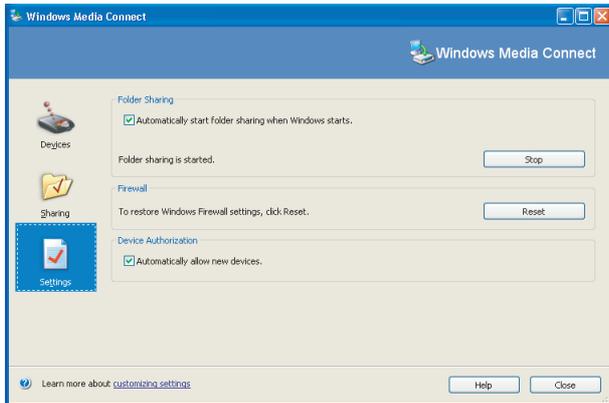
6 Click on the "Close" button on the Windows Media Connect 2.0 application window to close it.

⚠ NOTE Some security software installed on your PC (anti-virus software, firewall software, etc.) may block the access of this unit to your PC. In such cases, configure the security software appropriately.

Playing Back the Audio Contents on the PC with Windows Media Connect 2.0

Use this feature to play the music contents stored on your PC by using Windows Media Connect 2.0.

⚠ NOTE When you use this feature, the PC where the desired contents are stored must be activated.

1 Select "Top Menu" > "Library" > "Network Content".

2 Select one of the categories (Artists, Albums, Genres, All Songs, or Playlists), and then open the Submenu.

3 Select "Select PC Server".
The list of the available PC servers (connected via Windows Media Connect 2.0 or DiXiM Media Server) appears in the OSD.

4 Select the desired server, and then press SELECT on the remote control.

"PC Server Connecting..." appears in the OSD while this unit is trying to establish the link to the server, and then the selected server name and the categories to select the shared music contents from appear once this unit was established the link to the server and obtained the list of the shared files.

NOTE When this unit cannot establish the link to the selected server, "Cannot find PC Server" appears in the OSD.

5 Proceed with the operation to play the music contents in the PC as identical as in this unit.

See pages 46 to 51 of "MCX–2000 OWNER'S MANUAL" for details about how to select the desired music contents in the server.

Compatible File Formats to Play with This Unit
- WAV
- MP3
- Windows Media Audio (WMA)

NOTE Windows Media Audio (WMA) with Digital Rights Management (DRM) is not compatible with this unit.

NOTE This unit indicates WAV and WMA format files as PCM format in the OSD.

Selecting the Internet Radio Station by Using vTuner Service

Use this feature to select the desired Internet radio station easily. Internet radio station list uses "vTuner", a radio station database service. This database service is edited and prepared for this unit.
You can select a station from the following directories:

Direct Access URL List
You can select a station directly by entering the URL of the station.

> **NOTE** This function is the same as the Internet radio function in the previous version of the firmware. See pages 54 and 84 of "MCX–2000 OWNER'S MANUAL" for details.

Locations
Selects a station by continents and countries where the stations are located.
After selecting a location, you can select a station within the limit of a genre, or a station from the ones recommended by vTuner.

Genres
Selects a station by genre.
After selecting a genre, you can select a station within the limit of a location, or a station from the ones recommended by vTuner.

New Stations
Selects a station from the ones that have recently started the service.

Popular Stations
Selects a station from the list of popular stations.

Podcasts
Podcast is a type of "easy Internet radio service". There are many podcast services on the Internet, and some podcast services are maintained by common people called "bloggers".
You can select and access a podcast service via the vTuner database. There are two categories to select a podcast service from: "by Location" (you can select a service by locations) and "by Genre" (you can select a service by genres).

> **NOTE** The podcast is not a continuous audio service. When you play back a podcast to the end of an "episode", this unit stops playback.

Recently Played Stations
Selects a station from the list of the stations most recently selected on this unit.
You can clear the history of the selection of the recently selected stations by selecting "Clear" in the Submenu.
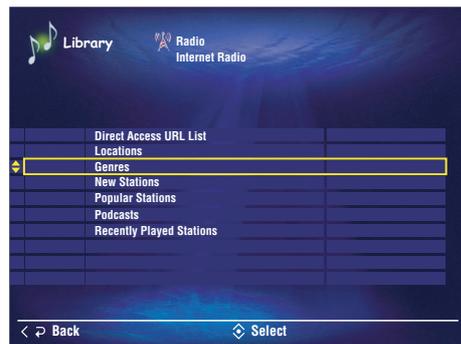
Selecting the Internet Radio Station

The following description is an example of selecting an Internet radio station. In this example, you will select a station by genre.

> **NOTE** This service may be discontinued without notice.

> **NOTE** The following illustrations of the OSD are the sample images. The name of the genres, countries, or stations may differ.

1 Select "Top Menu" > "Library" > "Radio" > "Internet Radio".
When you enter "Internet Radio", this unit starts connecting to the vTuner database service, and "Accessing..." appears in the OSD. Once this unit is connected to the vTuner database service, the following menu appears in the OSD.

> **NOTE** You can select "Direct Access URL List" to select an Internet radio service directly while this unit is connecting to the vTuner database service.

> **NOTE** When this unit fails to connect to the vTuner database service for some reason (this unit is cannot access Internet, the vTuner database service is temporary unavailable, etc.), only "Direct Access URL List" appears in the OSD.

2 After the vTuner database directories appear in the OSD, select "Genres".
The list of genres appears in the OSD.

(Example)

> **NOTE** While this unit is connecting to the vTuner database service, "Accessing..." appears in the OSD.

3 Select a desired genre.

When you select a genre from the list, the following menu appears in the OSD.

(Example)

4 Select "By Location".

The list of the countries where the Internet radio services are released appears in the OSD.
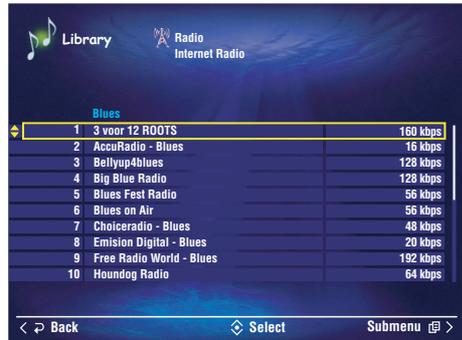
(Example)

5 Select a country where the desired Internet radio service is released.

The list of the Internet radio services appears in the OSD.
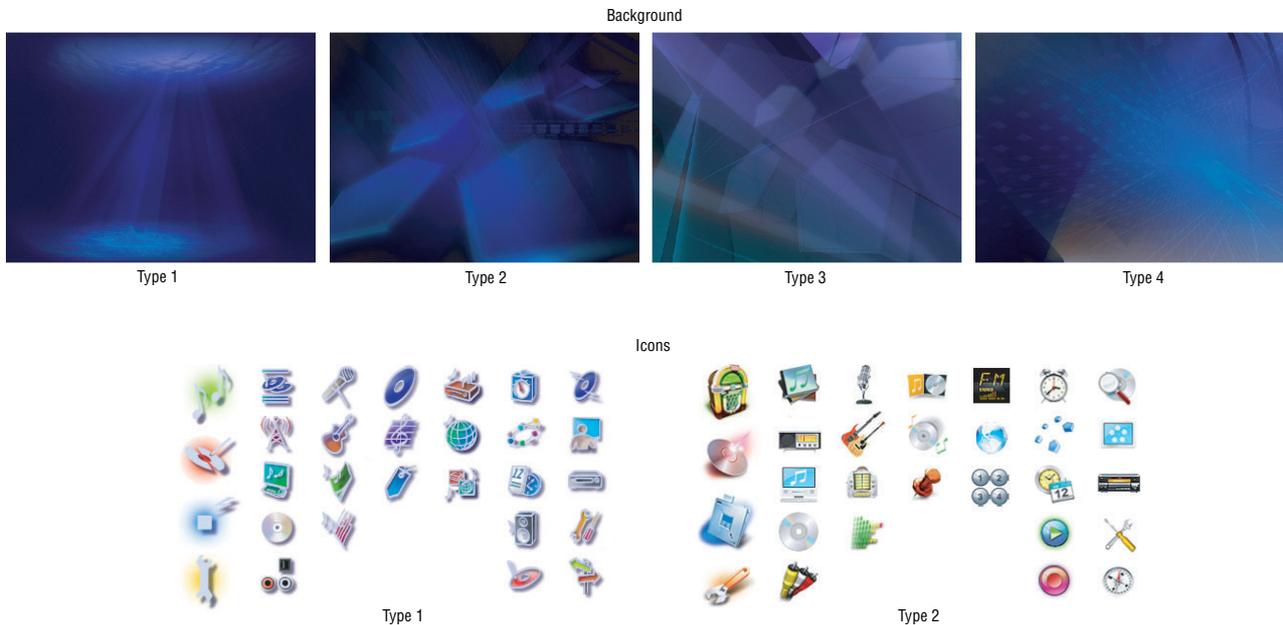
(Example)

6 Select the desired Internet radio service, and then play the Internet radio service.

See page 59 of "MCX–2000 OWNER'S MANUAL" for details.

Changing the Background and Icons of the OSD

Use this feature to change the background and icons of the OSD. You can select the background and icons from the following 4 backgrounds and 2 sets of icons.

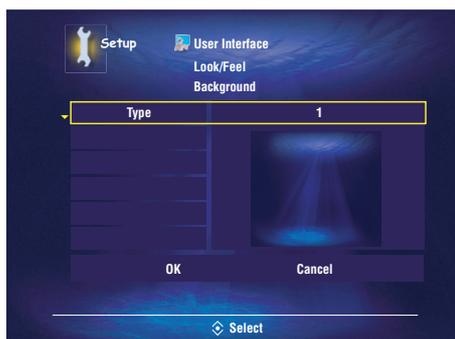**NOTE** Some icons may be different from the following illustrations.

Background

Type 1   Type 2   Type 3   Type 4

Icons

Type 1   Type 2

1 Select "Top Menu" > "Setup" > "User Interface" > "Look/Feel".
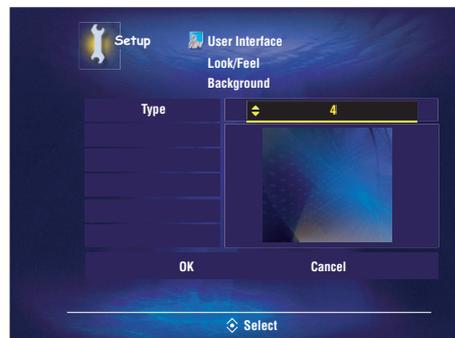The following display appears in the OSD.
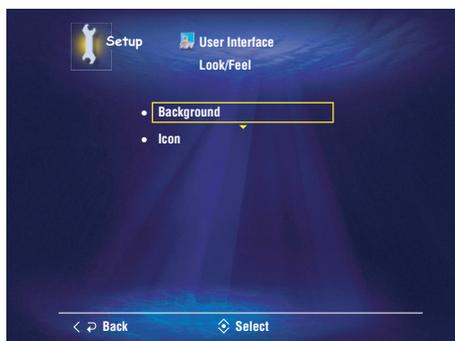
2 Select "Background" or "Icon".
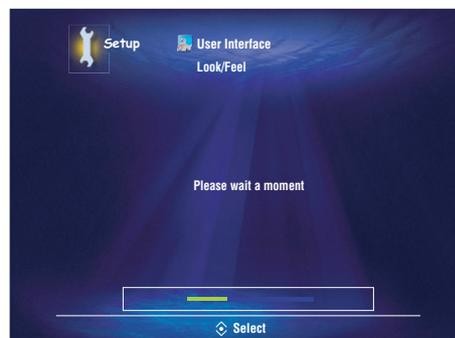The following display is an example when you select "Background".

3 Select the desired item.

4 Select "OK" to confirm your selection.
"Please wait a moment" appears in the OSD, and then this unit returns to the User Interface menu.

**NOTE** If you want to cancel your selection, select "Cancel".

Displaying Album Arts

Use this feature to display the album arts in the OSD. To display the album arts, you must access this unit with a web browser, and then upload the graphic file you want to display as the album art onto this unit. The album arts appears in the album list screen and the Play Information screen. The following displays are examples of the album arts.


Uploading the Album Arts onto This Unit

1 Access this unit with a web browser, and then click on "Upload Album Art".

For details, see page 76 of "MCX-2000 OWNER'S MANUAL". The following display appears in your web browser window.
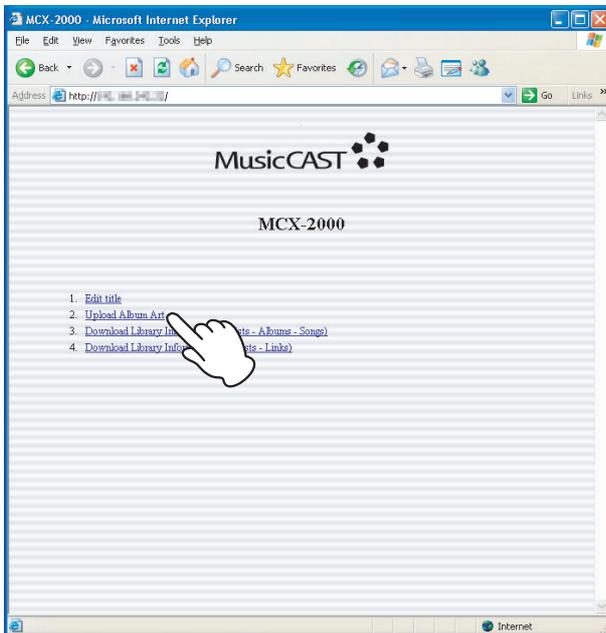
NOTE We recommend using Microsoft Internet Explore 6.0 on Windows XP Service Pack 2 to access this unit. When you use other web browsers or operating systems to access this unit, the details of the design displayed in the web browser window or the function of this feature may vary.

NOTE Make sure that this unit is not in the standby mode when you use this feature. When this unit is in the standby mode, "Cannot edit while MusicCAST server is in standby mode." appears in your web browser window.

2 Select a category to select the desired album from.
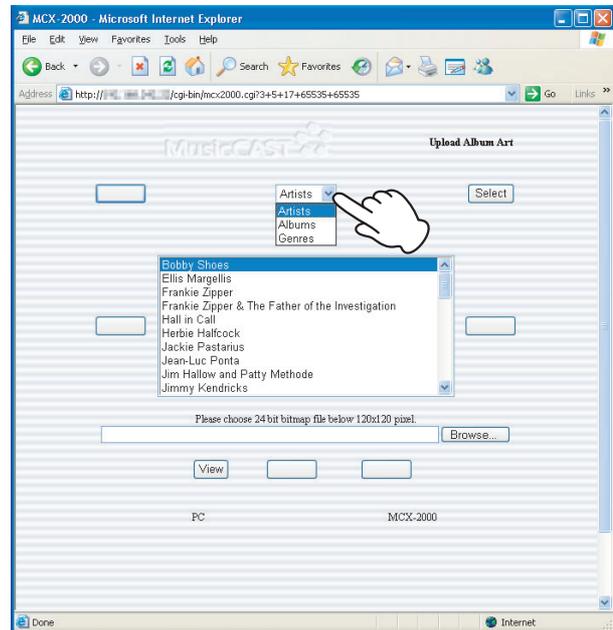
When you select "Albums", you can select the desired album directly. See step 4 and proceed with the operation.

3 Select the desired item and then click on the "Select" button displayed in the web browser window.
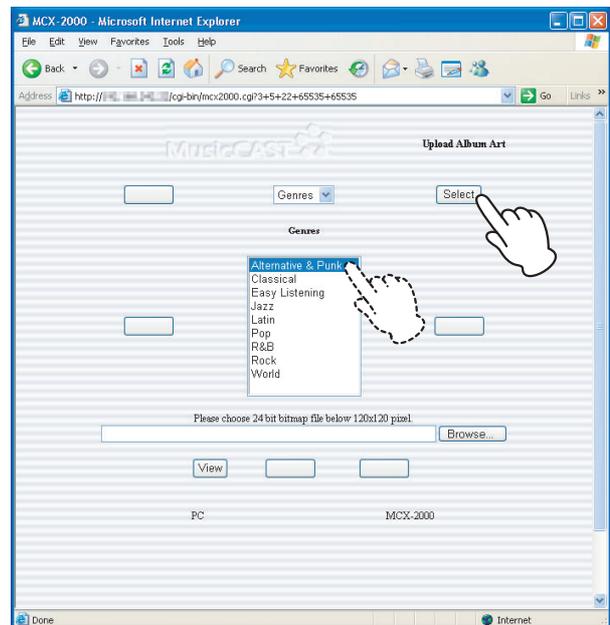
4 Click on the name of the desired album, and then click on the "Browse..." button displayed in the web browser window.

The window where you can select the graphic file appears in the display of your PC.

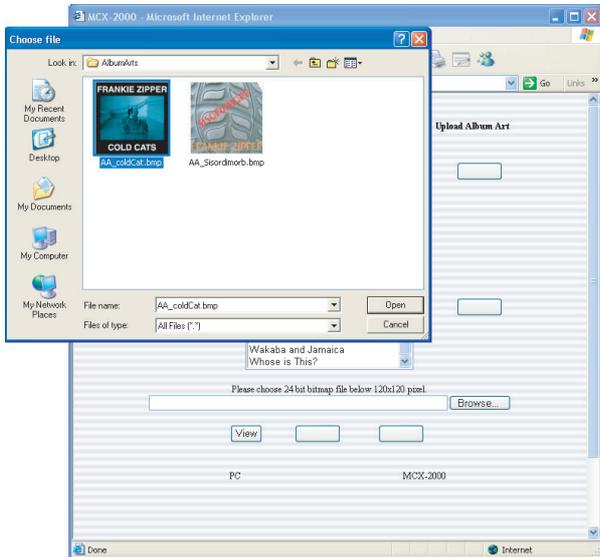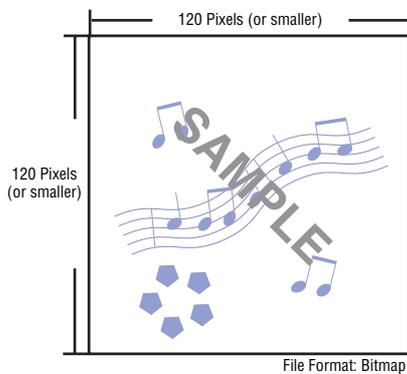**5** Select the graphic file you want to upload onto this unit.

The Compatible Graphic Format

File Format: Bitmap

Format: Windows 24 bit Bitmap format (BMP)
Maximum Size: 120 x 120 pixels
(proportional or not proportional)

DJ NOTE When you select a graphic file incompatible with this unit (the graphic size is oversized, the format is incorrect, etc.), "Please choose 24 bit bitmap file below 120x120 pixel." appears in your web browser window.

6 Click on the "View" button displayed in the web browser window.

The illustration of the graphic file you selected appears under "PC" in your web browser window.
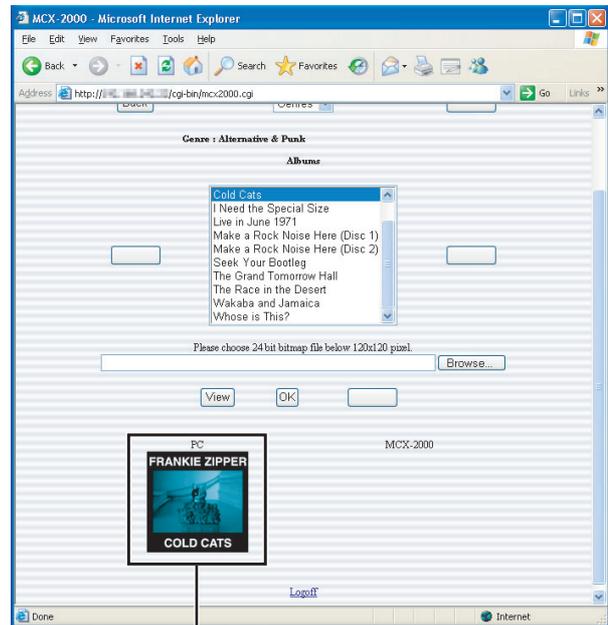
The new album art

When you select the album to which you already added an album art, you can overwrite the album art with the new one.
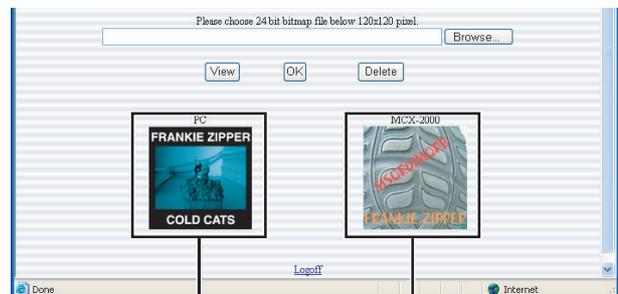
The new album art   The previously uploaded album art

7 Click on the "OK" button displayed in the web browser window to upload the graphic file onto this unit.
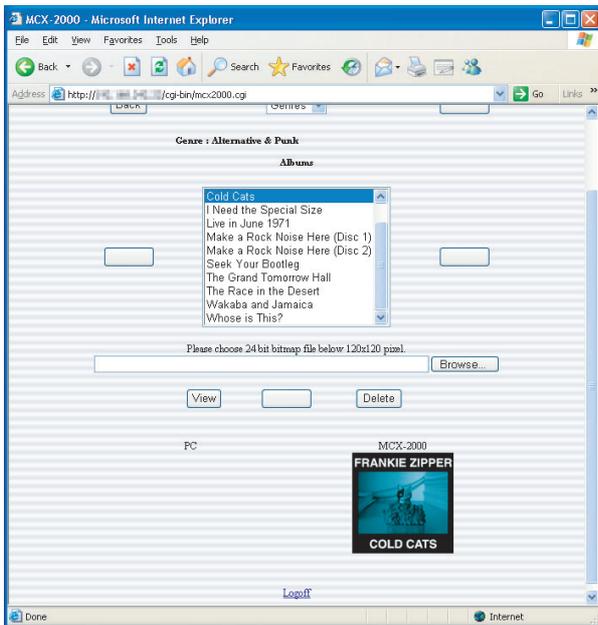
8 Click on "Logoff" displayed in the web browser window to log off from this unit.
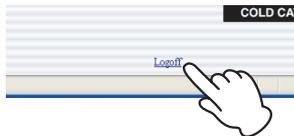
Deleting the Album Arts

1 Select "Top Menu" > "Library" > "Music Archive", and then select a category.

2 Select the album you want to delete the album art from.
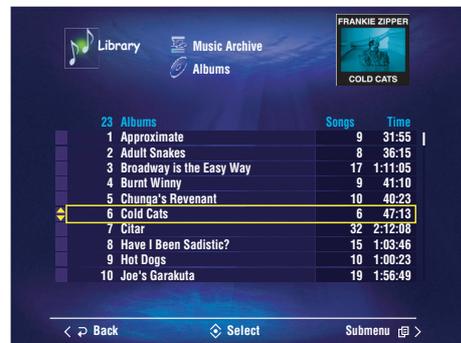
3 Open the Submenu.

If you select an album with an album art, "Delete "Album Art"" appears in the Submenu.

📝 **NOTE** When you select the album without an album art, "Delete "Album Art"" does not appear in the Submenu.

4 Select "Delete "Album Art"".

The following message appears in the OSD.
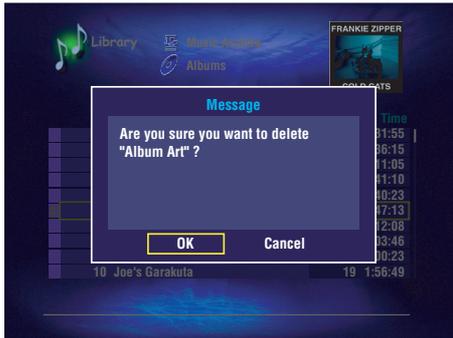
5 Select "OK".

The album art disappears from the OSD.

You can also delete the album arts with the web browser on your PC. Select the album you want to delete the album art from, and then click on the "Delete" button in the web browser window.

Using the FAVORITES (1 – 4) Keys

Use this feature to access the desired music sources easily. There are 4 FAVORITES (1 – 4) keys on the remote control. To use the FAVORITE keys, you must assign the desired items (artist, genre, preset station, etc.) to the FAVORITES (1 – 4) keys in advance.
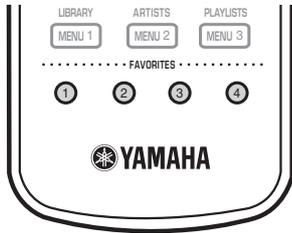
Assigning the Items to the FAVORITES (1 – 4) Keys

1 Select the desired item you want to assign to a FAVORITES (1 – 4) key.
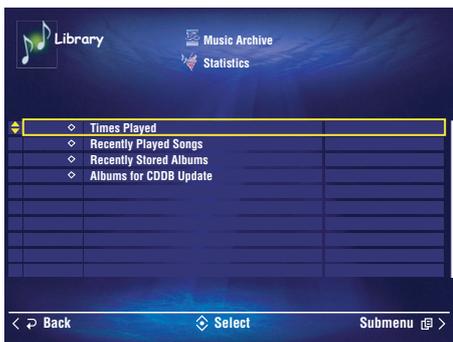
2 Press the FAVORITES (1 – 4) key to which you want to preset the desired item for 2 seconds.

The following message appears on the OSD, and then the icon of the FAVORITES (1 – 4) key appears beside the item you have assigned to the FAVORITES (1 – 4) key.

📝 **NOTE** When you reset this unit, the assigned memory of the FAVORITES (1 – 4) keys is cleared.

📝 **NOTE** When you assign an item to the FAVORITES (1 – 4) key which is already assigned another item, the old item is overwritten with the new item.

Clearing the Preset Items of the FAVORITES (1 – 4) Key

1 Select "Top Menu" > "Setup" > "User Interface" > "Remote Control".

2 Select "Favorite Key".
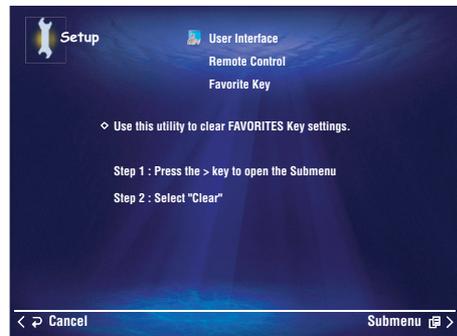
3 Open the Submenu, and then select the desired item.

When you select "Clear All", you can clear all the items assigned to the FAVORITES (1 – 4) keys.

4 Select "OK" when the following message appears in the OSD.

"Saving..." appears in the OSD, and then this unit returns to "Remote Control" menu.
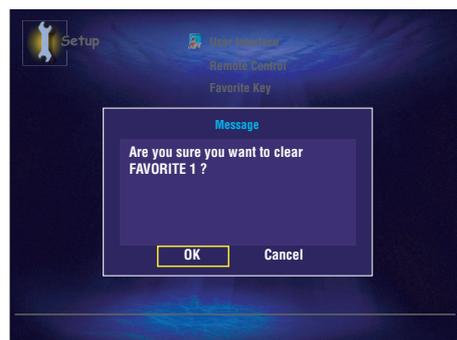
Customizing the MENU (1 – 3) Keys

Use this feature to change the preset settings of the MENU (1 – 3) keys.
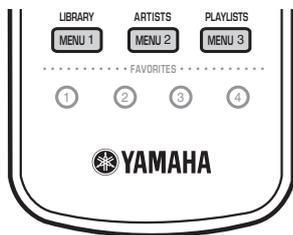
Assigning the Items to the MENU (1 – 3) Keys

The example below describes the procedure to preset "Music Archive" menu screen to MENU 1 key.

1 Select the desired menu item to preset to the MENU (1 – 3) key.

2 Press a MENU (1 – 3) key on the remote control for 2 seconds.
The following message appears in the OSD.

🎵 **NOTE** When you reset this unit, the preset memory of the MENU (1 – 3) keys is reset to the default settings.

Resetting the MENU (1 – 3) Keys to the Default Setting

1 Select "Top Menu" > "Setup" > "User Interface" > "Remote Control".
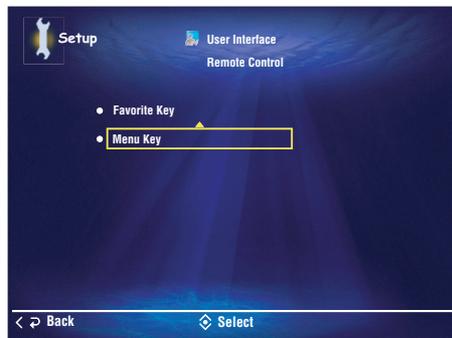
2 Select "Menu Key".
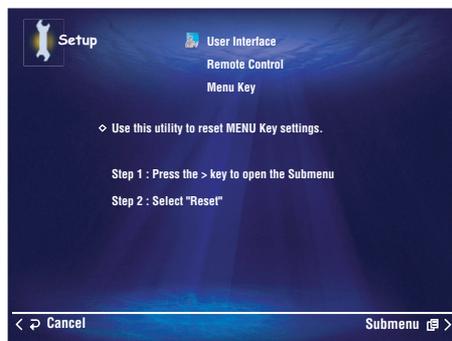
3 Open the Submenu, and then select the desired item.

When you select "Reset All", you can reset all the MENU (1 – 3) keys to the default settings.

4 Select "OK" when the following message appears in the OSD.
"Saving..." appears in the OSD, and then this unit returns to "Remote Control" menu.

The Available Items to Assign to the FAVORITES (1 – 4) and MENU (1 – 3) Keys

FAVORITES (1 – 4) Keys

```
Top Menu ——— Library ——————— Music Archive ——————— Artists ——————— ☆artist ——————— ☆album
                        |                            |
                        |                            |—— Albums ——————— ☆album
                        |                            |—— Genres ——————— ☆genre ——————— ☆album
                        |                            |—— ☆All Songs
                        |                            |—— Playlists ——————— ☆playlist
                        |                            |—— ☆Bookmarks
                        |                            |—— Statistics ——————— ☆Times Played
                        |                                                  ☆Recently Played Songs
                        |
                        |—— Radio ——————————————— Preset ——————— Group (A - J) ——— ☆Station (1 - 10)
                        |—— Network Content ——————— Artists ——————— ☆artist
                        |                            |—— Albums ——————— ☆album
                        |                            |—— Genres ——————— ☆genre
                        |                            |—— ☆All Songs
                        |                            |—— Playlists ——————— ☆playlist
                        |
                        |—— ☆CD
                        |
                        |—— Inputs ——————————————— ☆Digital Input
                                                    ☆Analog Input
```

📝 **NOTE** ☆ indicates the available items that can be assigned to the FAVORITES (1 – 4) keys.

📝 **NOTE** The items in the shaded area vary in accordance with the corresponding category.

MENU (1 – 3) Keys

```
Top Menu ——— ☆Library (MENU 1 default) ——— ☆Music Archive ——————— ☆Artists (MENU 2 default)
                  |                              |                  |—— ☆Albums
                  |                              |                  |—— ☆Genres
                  |                              |                  |—— ☆All Songs
                  |                              |                  |—— ☆Playlists (MENU 3 default)
                  |                              |                  |—— ☆Bookmarks
                  |                              |                  |—— ☆Statistics ——————— ☆Times Played
                  |                              |                                         |—— ☆Recently Played Songs
                  |                              |                                         |—— ☆Recently Stored Album
                  |                              |                                         |—— ☆Album for CDDB Update
                  |                              |
                  |                              |—— ☆Radio ——————————————— FM
                  |                              |                  |—— XM (US model only)
                  |                              |                  |—— ☆Internet Radio
                  |                              |                  |—— ☆Preset ——————— ☆Group (A - J)
                  |                              |
                  |                              |—— ☆Network Content
                  |                              |
                  |                              |—— ☆CD
                  |                              |
                  |                              |—— ☆Inputs
                  |
                  |—— ☆Recording ——————— ☆Store from CD
                  |                      |—— ☆Store from Radio
                  |                      |—— ☆Store from Inputs
                  |                      |—— ☆Duplicate a CD
                  |                      |—— ☆Create an original CD
                  |
                  |—— ☆Client Control
                  |
                  |—— ☆Setup
```
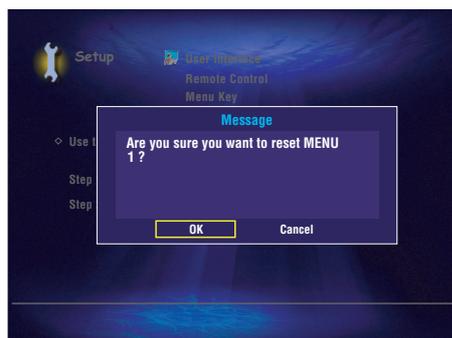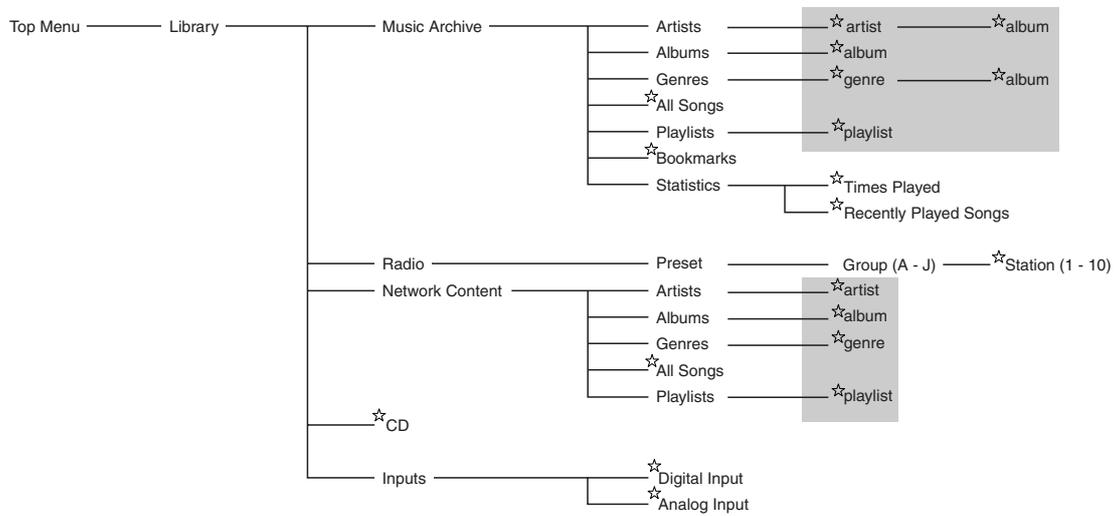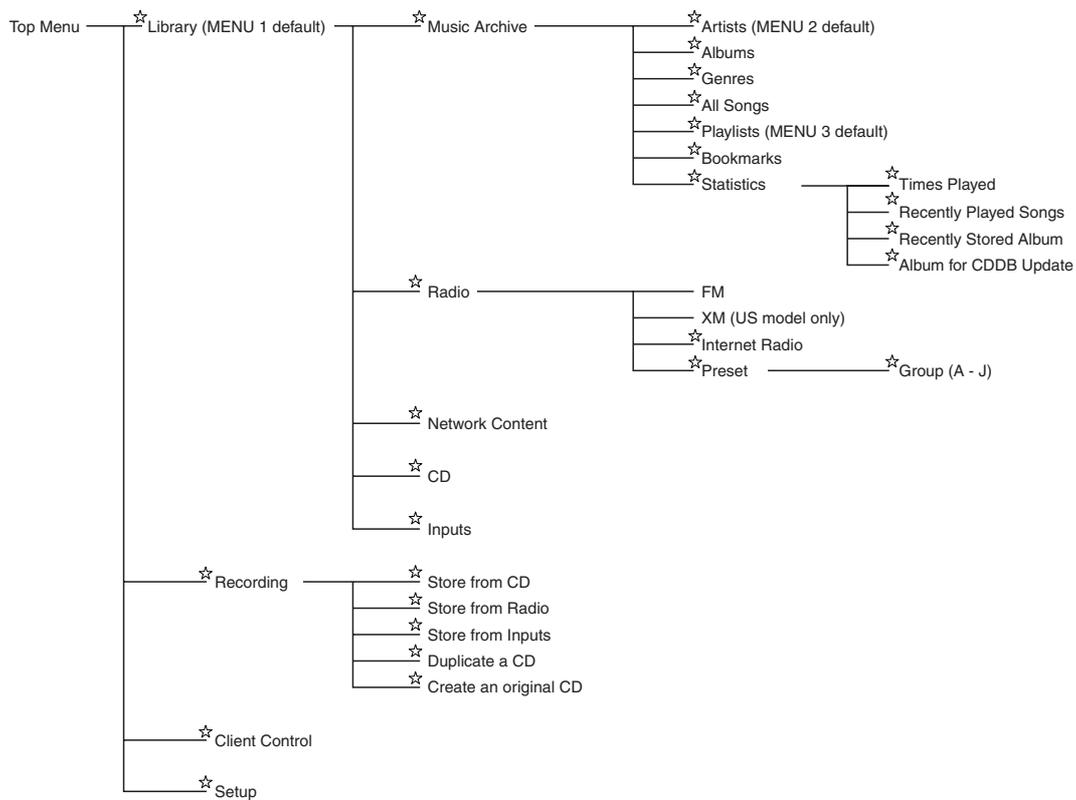
📝 **NOTE** ☆ indicates the available items that can be assigned to the FAVORITES (1 – 4) keys.

Backing Up and Restoring the Song Data

Use this feature to back up the song data stored on this unit to your PC and restore the backup song data from your PC. You must configure the file sharing setting of your PC before using this feature.

NOTE Use a PC with Windows XP to use this feature.
NOTE It takes approximately 48 hours (when the song data is full of the hard disk drive of this unit) to complete the backup and restore of the stored song data. Once this unit starts the backup or restore of song data, you cannot cancel the backup or restore and carry out any operation of this unit and your PC until the backup or restore is finished.
**NOTE** Log on to the local machine instead of the domain to use this feature.
NOTE When you use the song data backup function, the PC must be equipped with a hard disk that was the same amount of free space as that of the song data stored on this unit.

## Setting Up the File Sharing of Your PC

When you back up the song data stored on this unit to your PC, you must make a shared folder (directory) whose shared name is "mc_backup" on your PC. The file sharing setup procedure varies corresponding to the PC environment. Read the instruction manual of your PC operating system and the online help on your PC for details. The following instruction is an example of setting up the file sharing of the PC.
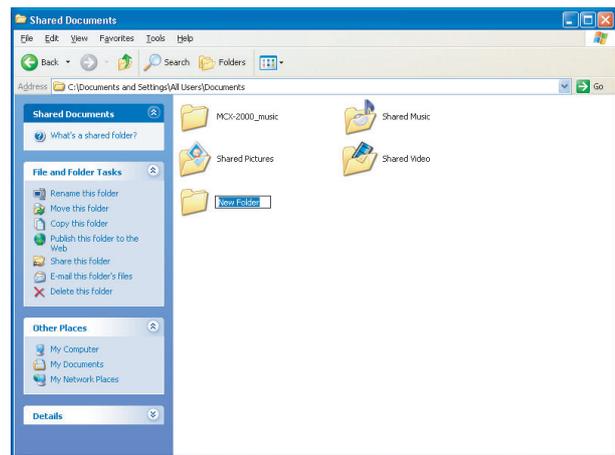
1 Open "Network Setup Wizard".
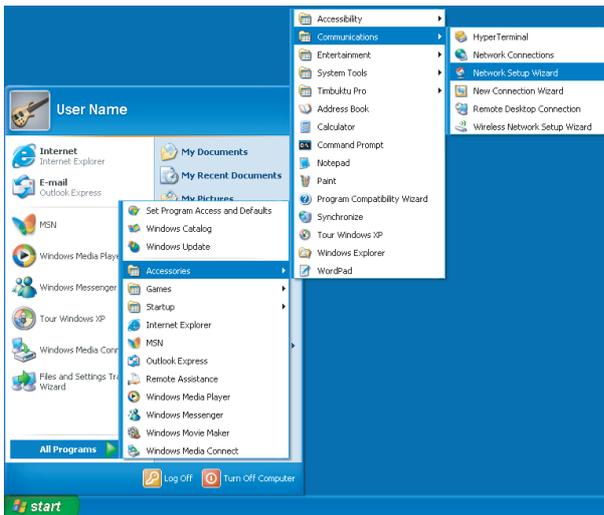
2 Select "Turn on file and printer sharing" in the following screen.
Make configurations in other steps in "Network Setup Wizard" so that all the items suit your PC environment.
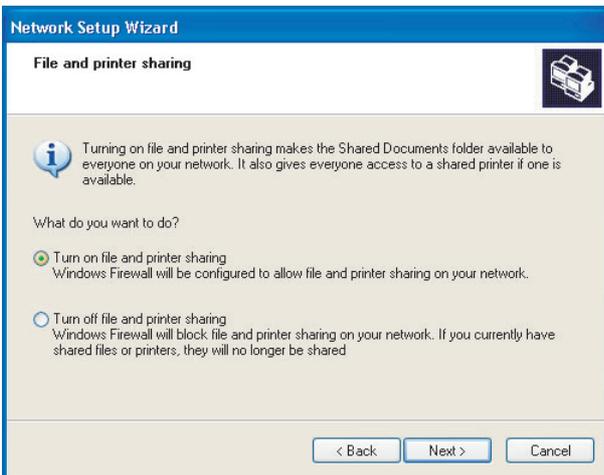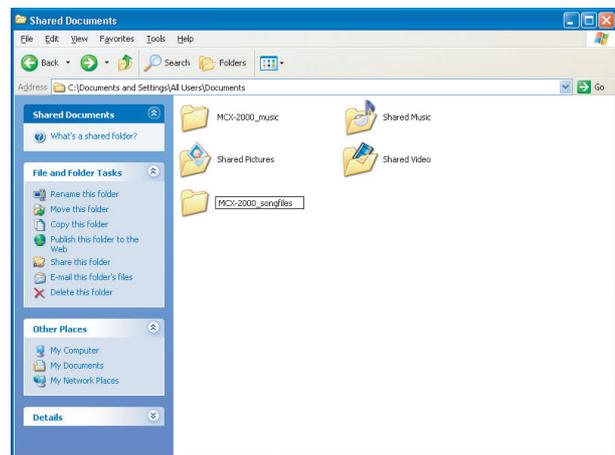

3 Open the "Shared Documents" folder in "My Computer", and then create a new folder.


4 Name the new folder as you prefer.
In the following example, the new folder is named "MCX-2000_songfiles".

NOTE A shared folder has two names: the folder name and "Share name" (shared name). When you back up the song data files to your PC and restore the song data files from your PC, this unit searches the folder whose "Share name" is "mc_backup" without regard to the folder name.

5 Select the new folder, and then open its "Properties" window.
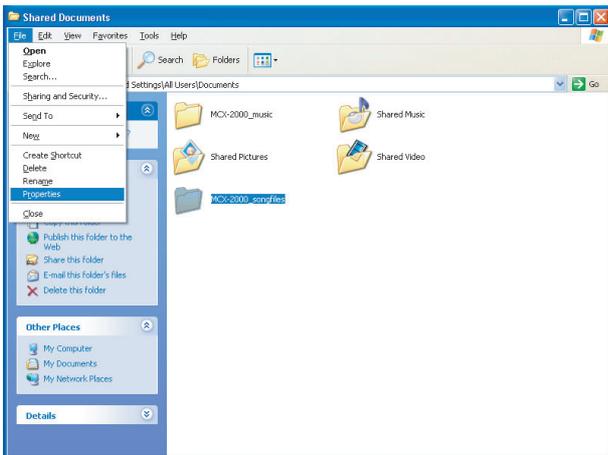
6 Select the "General" tab in the "Properties" window, and then remove the check mark from the "Read-only" check box as shown below.
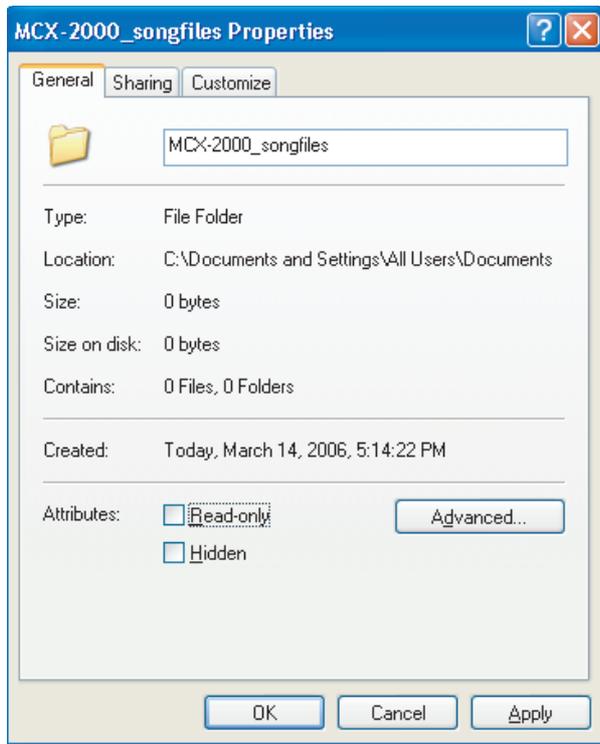
7 Select the "Sharing" tab in the "Properties" window, and then place the check marks in the "Share this folder on the network" and "Allow network users to change my files" check boxes as shown below.
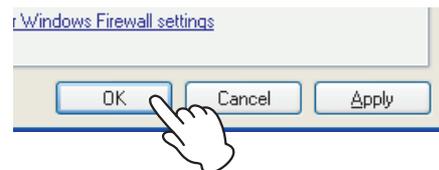

8 Make sure "Share name" is "mc_backup" as shown below.
When you named this folder with a name other than "mc_backup" in step 4, the folder name appears in the "Share name" text box. In such cases, rename "Share name" "mc_backup".

mc_backup

9 Click on the "OK" button in the "Properties" window to close it.

Backing up the Song Data of This Unit to Your PC

NOTE It takes approximately 48 hours (when the song data is full of the hard disk drive of this unit) to complete the backup of the stored song data. Once this unit starts the backup of song data, you cannot cancel the backup and carry out any operation of this unit and your PC until the backup is finished. Do not shut down the power of this unit and the PC during the backup of the song data.
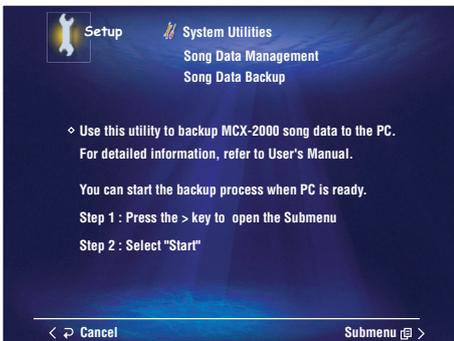
1 Start the file sharing of "mc_backup" folder on your PC. See pages 20 and 21 for details.

2 Select "Top Menu" > "Setup" > "System Utilities".

3 Select "Song Data Management".

4 Select "Song Data Backup".

5 Open the Submenu, and then select "Start".


6 Select "OK" when the following message appears in the OSD.


NOTE Once this unit has been rebooted, the "MusicCAST" splash screen appears in the OSD during the song data backup procedure. Use the front panel display to perform the following operations.

7 Once this unit has been rebooted and the following message appears in the front panel display, select the PC on which you want to store the backup data.
When more than one PC is connected to the LAN, you can switch the PC in the LAN by selecting "Cancel" in the front panel display. When the network ID of the desired PC appears in the front panel display, select "OK" in the front panel display to confirm your selection.

Computer name
Confirms the selection
Switches the PC
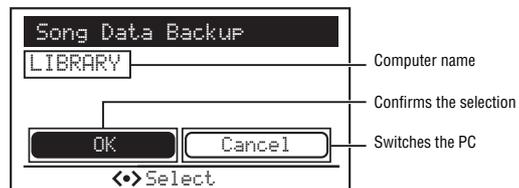
8 This unit starts the backup procedure.

When you select the PC where the previous song data files are stored in the shared folder, "Are you sure you want to delete all files in the folder?" appears in the front panel display. Select "OK" to back up the song data to the PC. This unit overwrites the previous song data files with the new one. While this unit is backing up the song data files, the backup progress appears in the front panel display.

```
Song Data Backup
Making Backup Files...
      1 /96
```
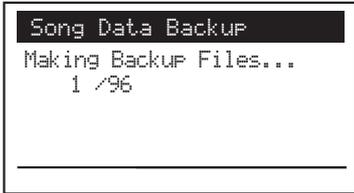
NOTE When you select "Cancel" while the confirmation message is being displayed in the front panel display, you can reboot this unit without backing up the song data files.

NOTE When you select the PC that has insufficient disk space to store the all song data files stored on this unit, "Not enough space available on PC HDD" appears in the front panel display. Select "OK" in the front panel display to reboot this unit without backing up the song data files.

NOTE When the property of the shared file is not appropriate (for example, the shared file is "Read-only", etc.), "Error" appears in the front panel display. Select "OK" in the front panel display to reboot this unit without backing up the song data files.

NOTE When you do not want to overwrite the previous song data files stored on this unit with the ones stored on your PC, change the folder (directory) of all the previous song data files from the shared folder to another.

NOTE This unit searches for the shared folder (directory) whose "Share name" is "mc_backup". When the shared folder does not exist or "Share name" is incorrect, "Cannot connect PC" appears in the front panel display. Select "OK" in the front panel display to reboot this unit without backing up the song data files.

9 When "Complete" appears in the front panel display, select "OK" in the front panel display to reboot this unit.

```
Song Data Backup
Complete



        OK
     • Select
```

10 Once the backup is complete, open the "Properties" window of the shared folder on the PC, and then remove the check mark in the "Share this folder on the network" check box as bellow.

The Contents of the Saved Data

This unit backs up the following information in each song data file.

- The song data (the audio data of MP3, PCM, etc.)
- The name of the artist, genre, and album of each song data
- Album arts
- Playlists

NOTE This unit does not back up the parameters other than the ones shown above.

NOTE This unit creates an encrypted file (not compressed) for each song in the shared folder on your PC. You cannot play back the encrypted files on your PC.

NOTE You cannot change the name of each song data file. This unit avoids restoring the renamed song data files when you try to restore them.

NOTE You can restore the song data files only to the digital audio server where the song data files were originally created.

Restoring the Song Data of This Unit from Your PC

NOTE It takes approximately 48 hours (when the song data is full of the hard disk drive of this unit) to complete the restore of the stored song data. Once this unit starts the restore of song data, you cannot cancel the restore and carry out any operation of this unit and your PC until the restore is finished. Do not shut down the power of this unit and the PC during the backup of the song data.
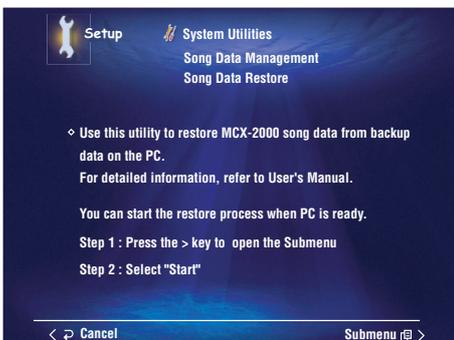
1 Start the file sharing of "mc_backup" folder on your PC. See pages 20 and 21 for details.

2 Select "Top Menu" > "Setup" > "System Utilities".

3 Select "Song Data Management".

4 Select "Song Data Restore".

**5** Open the Submenu, and then select "Start".

6 Select "OK" when the following message appears in the OSD.

NOTE Once this unit has been rebooted, the "MusicCAST" splash screen appears in the OSD during the song data backup procedure. Use the front panel display to perform the following operations.

NOTE When you select "Cancel", this unit returns to the "Song Data Management" menu without restoring the song data files.

7 Once this unit has been rebooted and the following message appears in the front panel display, select the PC on which have the song data files are stored.
When more than one PC is connected to the LAN, you can switch the PC in the LAN by selecting "Cancel" in the front panel display. When the network ID of the desired PC appears in the front panel display, select "OK" in the front panel display.

Computer name
Confirms the selection
Switches the PC
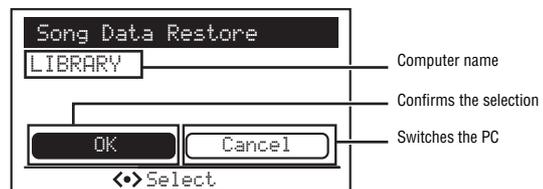
NOTE When you select the PC on which has the song data files are not stored, "No backup files found" appears in the front panel display. Select "OK" in the front panel display to reboot this unit without restoring the song data files.

8 Select "OK" in the front panel display to confirm your selection when "Are you sure you want to delete all songs in MCX–2000?" appears in the front panel display.

```
Song Data Restore
Are you sure you want t


   OK        Cancel
   <•>Select
```

📓 NOTE When you do not want to delete the song data files stored on this unit, select "Cancel" while the confirmation message is being displayed in the front panel display to reboot this unit without restoring the song data files, and then back up the song data files stored on this unit to the PC.

9 This unit starts the restore procedure.

This unit deletes all the song data, and then restores the song data files from the selected PC. During this procedure, the restoration progress appears in the front panel display.

```
Song Data Restore
Restoring ...
    1 /96
```

10 When "Complete" appears in the front panel display, select "OK" in the front panel display to reboot this unit.

```
Song Data Restore
Complete


        OK
     • Select
```

11 Once the restore is complete, open the "Properties" window of the shared folder on the PC, and then remove the check mark in the "Share this folder on this network" check box as below.

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