ZOOM UIB-02 ONLINE MANUAL

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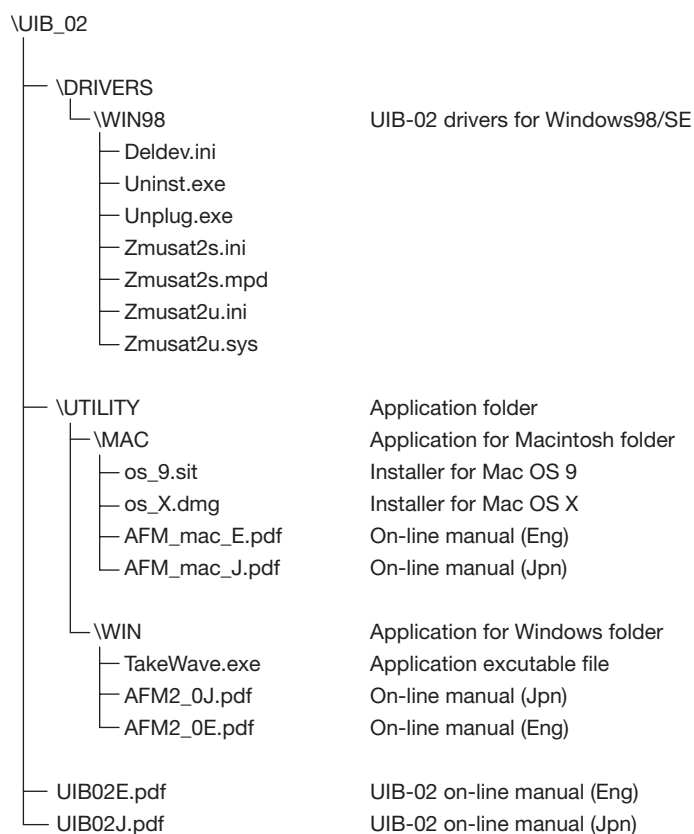
INTRODUCTION

ABOUT THE UIB-02

The UIB-02 is a USB interface board designed for installation in the expansion slot of products belonging to the ZOOM MRS series (hereafter simply called "MRS series"). When the UIB-02 is installed in the MRS series, you can establish a USB connection between the unit and a computer (Windows/Macintosh), allowing you to backup and restore project data, and to convert audio track data of the MRS series into audio data for use on the computer.

CONTENTS OF THE SUPPLIED CD-ROM

The CD-ROM supplied with the UIB-02 contains the following items.

```
\UIB_02

    \DRIVERS
        \WIN98                  UIB-02 drivers for Windows98/SE
            Deldev.ini
            Uninst.exe
            Unplug.exe
            Zmusat2s.ini
            Zmusat2s.mpd
            Zmusat2u.ini
            Zmusat2u.sys

    \UTILITY                    Application folder
        \MAC                    Application for Macintosh folder
            os_9.sit            Installer for Mac OS 9
            os_X.dmg            Installer for Mac OS X
            AFM_mac_E.pdf       On-line manual (Eng)
            AFM_mac_J.pdf       On-line manual (Jpn)

        \WIN                    Application for Windows folder
            TakeWave.exe        Application excutable file
            AFM2_0J.pdf         On-line manual (Jpn)
            AFM2_0E.pdf         On-line manual (Eng)

    UIB02E.pdf                  UIB-02 on-line manual (Eng)
    UIB02J.pdf                  UIB-02 on-line manual (Jpn)
```

OPERATING ENVIRONMENT

The UIB-02 has the following hardware and software requirements.

● **Compatible MRS series models**

MRS-1044

MRS-1044CD

MRS-1266

MRS-1266CD

* The UIB-02 cannot be used in the MRS-4.

* As of December 2002

● **Computer**

Windows PC (166 MHz Pentium or higher recommended) with USB connector or

Apple Macintosh series computer with USB connector

 * NEC PC-9800 series is not supported.

● **Free hard disk space**

100 MB or more

● **RAM**

32 MB or more

● **Supported operating systems**

OS support when the UIB-02 is installed in the MRS series is shown in the table below.

OS	MRS-1266	MRS-1044
Windows 98/98SE	❍	❍
Windows Me	●	●
Windows 2000	●	●
Windows XP	●	●
MacOS 9.1	●	--
MacOS 9.2	●	--
MacOS X	●	--

● : Using standard OS drivers

❍ : Using original driver provided by ZOOM

[NOTE]

 - In the Macintosh environment, UIB-02 operation conforms to USB 1.1 specifications.

 - In the Windows environment, UIB-02 operation conforms to USB 2.0 specifications if the USB
 port of the PC also corresponds to USB 2.0. specifications. Otherwise UIB-02 operation
 conforms to USB 1.1 specifications.

 - For Windows 98/98SE, a special driver provided by ZOOM must be installed (→ p. 7).

 - The MRS-1044 (including MRS-1044CD) with UIB-02 does not support MacOS.

● **Other requirements**

• CD-ROM drive x 1

• USB cable x 1

[NOTE]

Even when the above requirements are met, correct operation on all types of computers is not assured. Depending on individual specifications and system conditions, there may be cases where incompatibilities exist.

EXPLANATIONS IN THIS MANUAL

This manual has separate sections for Windows PCs and Macintosh computers. In the Windows environment, operation under Windows 98 (including Windows 98SE) is slightly different. Therefore explanations are separate for Windows 98 and for Windows Me/2000/XP.

USING UIB-02 IN THE WINDOWS ENVIRONMENT

SETTING THE COMPUTER AND MRS SERIES TO THE ONLINE STATE (WINDOWS ME/2000/XP)

1. **Install the UIB-02 in the expansion slot of the MRS series.**

For details on installation, refer to the separate leaflet supplied with the UIB-02.

2. **Turn power to the computer on and start up Windows Me/2000/XP.**

3. **Start the MRS series in USB mode.**

In USB mode, the MRS series acts as a USB device for use with a computer. To activate the USB mode, proceed as follows.

- MRS-1044/MRS-1044CD

While holding down the [CLEAR] key, press the [POWER] switch on the rear panel to turn the unit on. When the indication "ROM UTY MRS-1044" appears on the display, release the [CLEAR] key and press the [AUTO PUNCH IN/OUT] key. The display now shows the indication "USB WORKING".

- MRS-1266/MRS-1266CD

While holding down the [CLEAR] key, press the [POWER] switch on the rear panel to turn the unit on. When the indication "ROM UTY MRS-1266" appears on the display, release the [CLEAR] key and press the [AUTO PUNCH IN/OUT] key. The display now shows the indication "I/F WORKING".

[NOTE]
For information on how to activate the USB mode for other MRS series models, refer to the documentation of the product.

4. **Connect the computer to the UIB-02 in the MRS series using an USB cable.**

The computer recognizes the MRS series as a general USB device and automatically installs the driver.

5. **Open "My computer" and verify that a new local disk has been added.**

If the driver has been properly installed and the computer and MRS series are in the online state, a new local disk (volume) will be added to "My computer". This volume represents the hard disk in the MRS series.

When the computer and MRS series are in the online state, a program for safely removing the USB device will be added to the task tray on the Windows desktop. (The name of this program differs slightly, depending on the OS: "Unplug or eject hardware", etc.) Use this program when wishing to terminate the USB connection between the MRS series and the computer.

[HINT]

The driver will be automatically installed the first time only. Once the driver is installed, simply starting up the MRS series in the USB mode and connecting it to the USB port of the computer will establish the online state.

SETTING THE COMPUTER AND MRS SERIES TO THE OFFLINE STATE (WINDOWS ME/2000/XP)

If you simply unplug the USB cable or turn power to the MRS series off while the computer and MRS series are in the online state, computer operation may become unstable, and serious damage to files may occur. Always perform the steps listed below to terminate the USB connection between MRS series and computer.

1. Left-click on the icon for the remove hardware program in the task tray.

A list of connected USB devices appears. Depending on the version of Windows, the MRS series will be shown as "USB Mass Storage Device" , etc.

2. Select the name corresponding to the MRS series device.

When the offline state is established, a message indicating that the hardware can safely be disconnected appears.

3. When using Windows Me/Windows 2000, click on the [OK] button in the dialog box.

With the above operating systems, the USB connection can safely be terminated in this condition.

[HINT]

- With Windows XP, you can terminate the USB connection when the message appears.

- In the offline state, the remove hardware icon should disappear from the task tray.

4. Press the [POWER] switch of the MRS series and then press the [ENTER] key.

Power to the MRS series is turned off. When you turn the power on again in this state, the unit starts up normally.

5. **If necessary, disconnect the USB cable.**

[NOTE]

This procedure must be followed every time you wish to terminate the USB connection between the computer and the MRS series and turn the MRS series off.

SETTING THE COMPUTER AND MRS SERIES TO THE ONLINE STATE (WINDOWS 98)

1. **Install the UIB-02 in the expansion slot of the MRS series.**

For details on installation, refer to the separate leaflet supplied with the UIB-02.

2. **Turn power to the computer on and start up Windows 98.**

3. **Insert the CD-ROM supplied with the UIB-02 into the CD-ROM drive of the computer.**

[NOTE]

The CD-ROM drive letter will be required when installing the driver software. Double-click on the "My Computer" icon and check the drive letter of the drive where the CD-ROM is inserted.

4. **Start the MRS series in USB mode.**

In USB mode, the MRS series acts as a USB device for use with a computer. To activate the USB mode, proceed as follows.

- MRS-1044/MRS-1044CD

While holding down the [CLEAR] key, press the [POWER] switch on the rear panel to turn the unit on. When the indication "ROM UTY MRS-1044" appears on the display, release the [CLEAR] key and press the [AUTO PUNCH IN/OUT] key. The display now shows the indication "USB WORKING".

- MRS-1266/MRS-1266CD

While holding down the [CLEAR] key, press the [POWER] switch on the rear panel to turn the unit on. When the indication "ROM UTY MRS-1266" appears on the display, release the [CLEAR] key and press the [AUTO PUNCH IN/OUT] key. The display now shows the indication "I/F WORKING".

[NOTE]

For information on how to activate the USB mode for other MRS series models, refer to the documentation of the product.

5. **Connect the computer to the UIB-02 in the MRS series using an USB cable.**

The "Found New Hardware Wizard" screen for installing the driver appears on the display of the computer.

6. **Click on the [Next] button.**

[HINT]

If the "Found New Hardware Wizard" screen is not shown →

7. **Place a check mark in "Search for a suitable ..." on the next screen, and click on the [Next] button.**

8. **Place a check mark in "Specify a location " on the next screen, enter "[CD-ROM drive letter]:\", and click on the [Next] button.**

For example, if the drive letter as checked in step 3 is "D", enter "D\DRIVERS\WIN98".

9. **When preparations for installation are complete, a message is shown. Click on the [Next] button.**

[HINT]

If the driver is not found, click on the [Back] button and check whether the drive letter is correct and whether a CD-ROM is inserted.

10. **When the installation completion screen is shown, click on the [Finish] button.**

After a while, one more volume will be detected on the internal hard disk of the MRS series, and the screen for driver installation as in step 1 appears again.

11. **Repeat steps 6 - 10 to install the driver once more.**

This completes the driver installation.

12. **Open "My computer" and verify that a new local disk has been added.**

If the driver has been properly installed and the computer and MRS series are in the online state, a new local disk (volume) will be added to "My computer". This volume represents the hard disk in the MRS series.

[HINT]

If no new local disk is shown →

When the computer and MRS series are in the online state, a program called "USB Storage Unplug" will be added to the task tray on the Windows 98 desktop. Use this program when wishing to terminate the USB connection between the MRS series and the computer.

[HINT]
- *The driver installation process must only be carried out once. After the driver is installed, simply starting up the MRS series in the USB mode and connecting it to the USB port of the computer will establish the online state.*
- *When wishing to uninstall (delete) the driver, use the "UNINST" program on the supplied CD-ROM.*

SETTING THE COMPUTER AND MRS SERIES TO THE OFFLINE STATE (WINDOWS 98)

If you simply unplug the USB cable or turn power to the MRS series off while the computer and MRS series are in the online state, computer operation may become unstable, and serious damage to files may occur.

Always perform the steps listed below to terminate the USB connection between MRS series and computer.

1. Click on the "USB Storage Unplug" icon in the task tray, and select [ZOOM ATA/ATAPI Bridge Mass Storage Controller...].

"USB Storage Unplug" is a program for setting the computer and MRS series to the offline state. The icon for the program automatically appears in the task tray when the online state is established.
When the PC and MRS series are in the offline state, a message appears indicating that the hardware can be safely disconnected.

2. Click on the [OK] button in the dialog box that appears.

The computer and MRS series are in the offline state, and you can terminate the USB connection.

[HINT]
In the offline state, the "USB Storage Unplug" icon should disappear from the task tray. If not, right-click on the icon and select [Stop USB Storage Unplug].

3. Press the [POWER] switch of the MRS series and then press the [ENTER] key.

Power to the MRS series is turned off. When you turn the power on again in this state, the unit starts up normally.

4. **If necessary, disconnect the USB cable.**

[NOTE]
This procedure must be followed every time you wish to terminate the USB connection between the computer and the MRS series and turn the MRS series off.

PROJECT BACKUP/RESTORE

You can copy a project from the MRS series recognized as a local disk to the hard disk of the computer, for creating a backup. A backed-up project can be restored to the MRS series at any time.

Backing up a project

1. **Start up the MRS series in USB mode and connect it to the Windows computer with a USB cable. Verify that the online state is established.**

2. **Open "My Computer" and double-click on the local disk representing the MRS series.**

The contents of the MRS series hard disk are shown. Project data are stored separately in folders named "PROJxxx" (where "xxx" is the project number from 000 - 999).

[NOTE]
- The MRS-FAC disk volume is used by the system of the MRS-1266. Do not change the contents of this volume.
- Other folders and files are used by the system of the MRS series. Take care not to accidentally delete these.

3. **Select the folder of the project you want to back up, and select [Copy] from the [Edit] menu on the menu bar.**

4. **Open the backup destination drive/folder on the Windows computer and select [Paste] from the [Edit] menu on the menu bar.**

Backup of the project data is now complete. If necessary, back up other projects in the same way.

Restoring a project

You can restore projects backed up on the hard disk of the computer to the internal hard disk of the MRS series.

1. **Start up the MRS series in USB mode and connect it to the Windows computer with a USB cable. Verify that the online state is established.**

2. **On the Windows computer, open the drive/folder where the project backup data are stored.**

3. **Select the folder for the project you want to restore, and select [Copy] from the [Edit] menu on the menu bar.**

4. **Open "My computer" and double-click on the local disk representing the MRS series.**

5. **Select [Paste] from the [Edit] menu on the menu bar.**

The project is restored to the hard disk on the MRS series. If necessary, restore other projects in the same way.

If a folder with the same name as the folder selected for restore already exists on the hard disk of the MRS series, an overwrite confirmation dialog box appears.

If you click on the [Yes to All] button, existing data on the hard disk of the MRS series will be overwritten by the restored project data. (Files for which no restore data are present will remain unchanged.)

Using the Windows version of Audio File Manager

The CD-ROM supplied with the UIB-02 also contains the "Audio File Manager" application program that serves for exchanging audio data between the computer and the MRS series. Using this program, you can convert any V-take of the MRS series into a WAV file, or convert existing WAV/AIFF files into V-takes of the MRS series.

This software may be periodically updated without notice. To obtain the latest information, please visit the web site of Zoom Corporation (http://www.zoom.co.jp).

Installing the software

1. **Insert the CD-ROM supplied with the UIB-02 into the CD-ROM drive of the computer, and double-click on the CD-ROM drive name in "My computer".**

2. **Click on the "WIN" folder in the "UTILITY" folder, and select [Copy] from the [Edit] menu on the menu bar.**

3. **Open the installation destination drive/folder, and select [Paste] from the [Edit] menu on the menu bar.**

"WIN" folder with the Audio File Manager is copied to the hard disk.

Starting and closing the Audio File Manager

1. **Open the copied "WIN" folder and double-click on the "TakeWave" icon.**

2. **To shut down the Audio File Manager, click on the [EXIT] button.**

[HINT]

For details on how to use the Audio File Manager, refer to the online manual of the program "AFM2_0E.pdf".

USING THE UIB-02 IN A MACINTOSH ENVIRONMENT

SETTING THE MACINTOSH COMPUTER AND MRS SERIES TO THE ONLINE STATE

Connect the MRS series and the Macintosh computer via a USB link, and verify whether file exchange is possible.

1. Install the UIB-02 in the expansion slot of the MRS series.

For details on installation, refer to the separate leaflet supplied with the UIB-02.

2. Turn power to the computer on and start up MacOS.

3. Start the MRS series in USB mode.

In USB mode, the MRS series acts as a USB device for use with a computer. To activate the USB mode, proceed as follows.

- MRS-1266/MRS-1266CD

While holding down the [CLEAR] key, press the [POWER] switch on the rear panel to turn the unit on. When the indication "ROM UTY MRS-1266" appears on the display, release the [CLEAR] key and press the [AUTO PUNCH IN/OUT] key. The display now shows the indication "I/F WORKING".

[NOTE]
- *The MRS-1044/MRS-1044CD with UIB-02 does not support MacOS.*
- *For information on how to activate the USB mode for other MRS series models, refer to the documentation of the product.*

4. Connect the computer to the UIB-02 in the MRS series using an USB cable.

The Macintosh computer automatically recognizes the MRS series, and the internal hard disk of the MRS series is mounted on the desktop as a local disk (volume) (if using MacOS 9.x).

[NOTE]
When using MacOS X, the hard disk of the MRS-1266 will be recognized and mounted as two local disk volumes named "MRS-USR" and "MRS-FAC". The MRS-FAC disk volume is used by the system of the MRS-1266. Never change the contents of this volume.

SETTING THE MACINTOSH COMPUTER AND MRS SERIES TO THE OFFLINE STATE

If you simply unplug the USB cable or turn power to the MRS series off while the Macintosh and MRS series are in the online state, computer operation may become unstable, and serious damage to files may occur. Always perform the steps listed below to terminate the USB connection between the Macintosh and the MRS series.

1. Drag-and-drop the volume icon for the MRS series internal hard disk mounted on the desktop into the trash.

The Macintosh computer and the MRS series are now offline. In this condition, you can safely terminate the USB connection.

[HINT]
When using MacOS X, it suffices to drag-and-drop either the "MSR-USR" or the "MSR-FAC" icon to the trash to terminate the USB connection.

2. Press the [POWER] switch of the MRS series.

The indication "PowrOFF ENT/EXIT" appears on the display of the MRS series.

3. Press the [ENTER] key of the MRS series.

Power to the MRS series is turned off. When you turn the power on again in this state, the unit starts up normally.

4. If necessary, disconnect the USB cable.

[HINT]
This procedure must be followed every time you wish to terminate the USB connection between the Macintosh computer and the MRS series to turn the MRS series off.

PROJECT BACKUP/RESTORE

You can copy a project from the MRS series mounted as a local disk on the desktop to the hard disk of the Macintosh computer, for creating a backup. A backed-up project can be restored to the MRS series at any time.

Backing up a project

Copy project data from the internal hard disk of the MRS series to the hard disk of the Macintosh computer as follows.

1. **Start up the MRS series in USB mode and connect it to the Macintosh computer with a USB cable. Verify that the online state is established.**

2. **Double-click on the volume mounted on the desktop.**

The contents of the MRS series hard disk are shown. Project data are stored separately in folders named "PROJxxx" (where "xxx" is the project number from 000 - 999).

[NOTE]

Other folders and files are used by the system of the MRS series. Take care not to accidentally delete these. For information on the contents of the MRS series hard disk, see the appendix of the Operation Manual of the MRS series.

3. **Select the folder of the project you want to back up, and drag-and-drop it onto the hard disk of the Macintosh computer.**

[NOTE]

 - *If you drag-and-drop the project folder onto the desktop, the folder is moved onto the desktop and not copied. (Take care not to do this, because a folder moved to the desktop will not be recognized by the MRS series any more.)*
 - *When wishing to copy a project folder to the desktop, hold down the Option key while you drag-and-drop the folder.*

Restoring a project

You can restore projects backed up on the hard disk of the Macintosh computer to the internal hard disk of the MRS series.

1. **Start up the MRS series in USB mode and connect it to the Macintosh computer with a USB cable. Verify that the online state is established.**

2. **Open the drive/folder where the backed up projects are stored.**

3. **Select the folder for the project you want to restore, and drag-and-drop it onto the MRS series volume.**

The project is restored to the internal hard disk of the MRS series. If necessary, restore other projects in the same way.
If a folder with the same name as the folder selected for restore already exists on the hard disk of the MRS series, a popup window asking whether to overwrite the folder will appear.
If you click on the OK button in this window, the existing project will be overwritten by the restored project.

USING THE MACINTOSH VERSION OF AUDIO FILE MANAGER

The CD-ROM supplied with the UIB-02 also contains the "Audio File Manager" application program that serves for exchanging audio data between the computer and the MRS-1266. Using this program, you can convert any V-take of the MRS-1266 into a WAV file, or convert existing WAV/AIFF files into V-takes of the MRS-1266.

This software may be periodically updated without notice. To obtain the latest information, please visit the web site of Zoom Corporation (http://www.zoom.co.jp).

Installing the software

1. **Insert the CD-ROM supplied with the UIB-02 into the CD-ROM drive of the Macintosh.**

2. **Open the " os_9.sit" (for MacOS 9) or "os_X.dmg" (for MacOS X) in the "UTILITY" folder, and copy the installer file "MRS File Manager Installer" to the desktop or any desired location on the hard disk of the Macintosh. Then double-click on the file.**

3. **Install the software according to the dialogue.**

[HINT]
After installing, the installer file can be deleted.

Starting and closing the Audio File Manager

1. **To start the Audio File Manager, double-click on the Audio File Manager icon.**

2. **To shut down the Audio File Manager, click on the [EXIT] button.**

[HINT]
For details on how to use the Audio File Manager, refer to the online manual of the program.

TROUBLESHOOTING

If installation of the UIB-02 does not seem to have been successful, or if there are problems during operation, check the following points first.

■ **The hard disk of the MRS series is not recognized by the computer.**

- Check whether the OS of the computer is supported by the MRS series.
- Check whether the MRS series is operating in USB mode.
- Check whether the USB cable has been connected properly. Try unplugging the USB cable and then plugging it in again.
- If the OS is Windows 98, uninstall the driver and then install the driver once more.

■ **When connecting a computer running Windows 98 to the UIB-02 with a USB cable, the "Found New Hardware Wizard" screen does not appear.**

- Check whether the MRS series is operating in USB mode.
- Check whether the USB cable has been connected properly. Try unplugging the USB cable and then plugging it in again.
- If the driver has already been installed, the "Found New Hardware Wizard" screen will not appear.

■ **Computer operation has become unstable after disconnecting USB cable.**

If the connection between MRS series and computer is terminated without first setting the computer and MRS series to the offline state, computer operation may become unstable. Always perform the prescribed steps to terminate the USB connection between MRS series and computer (Windows → p. 6 , p. 9 / Macintosh→ p. 14).

■ **A disk utility of the computer detects errors on the hard disk of the MRS series.**

Utilities such as Scandisk may detect apparent errors even if there is in fact no problem with the hard disk of the MRS series. There is no need for repair or other countermeasures.