

SoniClear
Gov Boardroom
OPERATION GUIDE



About This Manual

This manual covers the installation procedures for the Gov Boardroom recording system. This integrated hardware and software system incorporates the following SoniClear digital recording software product:

- SoniClear Gov Recorder 8

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Using Gov Boardroom

Overview

SoninClear Gov Boardroom is an integrated hardware and software system for recording meetings and administrative hearings. SoniClear software runs on a Windows computer built into the system or connected externally to the Gov Boardroom audio interface.

Gov Boardroom can be purchased with the integrated computer, with a Tablet Recorder computer, or with the audio hardware (the computer being supplied by the customer). For the integrated computer or the Tablet Recorder, no installation steps are required for the computer. Simply plug in the system and audio sources, and start using it. The system is configured to archive recordings to an external disk drive (such as a Flash USB drive). To configure for network archive option, see instruction under *Archive Setup* in this manual.

If a separate laptop or desktop computer is supplied by the user, the system must be configured by a qualified computer technician following the instructions provided in this Guide.

For instructions on how to use the features of SoniClear Gov Recorder 8, see the SoniClear User Guide.

Using Gov Boardroom with Integrated Computer

For Gov Boardroom systems with an integrated computer, the following steps describe how to start the system, archive the recording and turn off the system.

System Startup

Start the system using these steps:

- Turn on the power switch located on the back of the unit.
Note: If the computer was shut down (from the Windows Shutdown control) but the main system switch was left on, turn the main switch off, wait a few seconds, then turn on again
- Make sure the power switch for the audio interface is On.
- Run the Gov Recorder 8 application from the desktop icon.

Archiving the Recording to Flash Drive or USB Drive

If the system has been configured to archive to an external disk drive (the default configuration), perform the archive process using these steps:

- If the recording file has been closed, Click Open and select the file to open it.
- If the system has been configured to archive to a removable disk drive (“Flash” or “Thumb” drive, or portable external disk drive), plug the drive into the USB Hub and allow it to be recognized by Windows.
- Click the Archive button and then click the Start button to perform the archive process.
- Click on the “Safely Remove Hardware” icon in the lower corner of the screen. In the popup menu, select the Drive D: removable hardware device.
- Unplug the removable after seeing the message indicating it is safe to do so.
- The original files will now be on the removable drive, along with the recording having been added to the LanArchive folder on the removable disk.

Archiving the Recording to a Network Drive

If the system has been configured to archive to a network drive, perform the archive process using these steps:

- If the recording file has been closed, Click Open and select the file to open it.
- Click the Archive button and then click the Start button to perform the archive process. The original recording files will be backed up to the network and the recording will be archived in the LAN Archive folder.

System Shutdown

Turn off the system using these steps:

- If currently recording. stop recording.
- Exit SoniClear Gov Recorder 8.
- Select Turn Off Computer from the Start menu.
- Select Turn Off.
- After computer has turned off, switch off the main power in the unit.

Using Gov Boardroom with Tablet Recorder

For Gov Boardroom systems configured with the SoniClear Tablet Recorder computer, the following steps describe how to start the system, archive the recording and turn off the system.

Connecting the Tablet Recorder

Always connect the Tablet Recorder to the audio interface device when the power is off on both units. One end of the supplied firewire cable is attached to audio interface, and the other attaches to the Tablet Recorder docking station (the jack is on the bottom of the unit). After the firewire cable is attached and the Tablet Recorder is in the dock, the power for the audio adapter and the Tablet Recorder can be turned on.

Turning the Tablet Recorder On and Off

Tablet Recorder is turned on using the spring loaded slider power switch on the top of the unit. It is necessary to slide and hold the switch to the right for several seconds to initiate the process of turning the system on.

Turning the system off also requires sliding the power switch to the right for a few seconds. This will put the computer in Sleep Mode. The system will continue to draw power from the battery at a slow rate while in Sleep Mode.

To turn the system off entirely, use the Windows Start button on screen and select to perform a system Shut Down.

Archiving the Recording to Flash Drive or USB Drive

If the system has been configured to archive to an external disk drive (the default configuration), perform the archive process using these steps:

- If the recording file has been closed, Click Open and select the file to open it.
- If the system has been configured to archive to a removable disk drive (“Flash” or “Thumb” drive, or portable external disk drive), plug the drive into the USB jack on the docking station and allow it to be recognized by Windows.
- Click the Archive button and then click the Start button to perform the archive process.
- Click on the “Safely Remove Hardware” icon in the lower corner of the screen. In the popup menu, select the Drive D: removable hardware device. NOTE: be sure to select the disk drive to remove, not the “Fast Ethernet Adapter”.
- Unplug the removable after seeing the message indicating it is safe to do so.
- The original files will now be on the removable drive, along with the recording having been added to the LanArchive folder on the removable disk.

Archiving the Recording to a Network Drive

If the system has been configured to archive to a network drive, perform the archive process using these steps:

- If the recording file has been closed, Click Open and select the file to open it.
- Click the Archive button and then click the Start button to perform the archive process. The original recording files will be backed up to the network and the recording will be archived in the LAN Archive folder.

Using Gov Boardroom with Desktop Computer

For Gov Boardroom systems using an external desktop computer, the power and controls for the computer and Gov Boardroom audio interface will be separate.

System Startup

Start the system using these steps:

- Turn on the audio interface power switch located on front panel
- Turn on the computer.
- Log onto user account, if required.
- Run the SoniClear Gov Recorder 8 application from the desktop icon.

Archiving the Recording to Flash Drive or USB Drive

If the system has been configured to archive to an external disk drive, perform the archive process using these steps:

- If the recording file has been closed, Click Open and select the file to open it.
- If the system has been configured to archive to a removable disk drive (“Flash” or “Thumb” drive, or portable external disk drive), plug the drive into the USB Hub and allow it to be recognized by Windows.
- Click the Archive button and then click the Start button to perform the archive process.
- Click on the “Safely Remove Hardware” icon in the lower corner of the screen. In the popup menu, select the Drive D: removable hardware device.
- Unplug the removable after seeing the message indicating it is safe to do so.
- The original files will now be on the removable drive, along with the recording having been added to the LanArchive folder on the removable disk.

Archiving the Recording to a Network Drive

If the system has been configured to archive to a network drive, perform the archive process using these steps:

- If the recording file has been closed, Click Open and select the file to open it.
- Click the Archive button and then click the Start button to perform the archive process. The original recording files will be backed up to the network and the recording will be archived in the LAN Archive folder.

Archiving the Recording to CDROM

If the system has been configured to archive to CDROM:

- Follow instructions provided with your system, or consult with SoniClear support for assistance.

System Shutdown

Turn off the system using these steps:

- If currently recording, stop recording.
- Exit SoniClear.
- Select Turn Off Computer from the Start menu.
- Select Turn Off.
- After computer has turned off, switch off the power to the audio interface on front panel.

Using Gov Boardroom with Laptop Computer

For Gov Boardroom systems using a notebook computer, the power and controls for the computer and Gov Boardroom audio interface need to be connected prior to turning on the system.

System Startup

Start the system using these steps:

- Connect the Gov Boardroom firewire cable to the laptop while audio interface and laptop are both turned off.
- Turn on the audio interface power switch located on front panel
- Turn on the computer
- Log onto user account, if required.
- Run the SoniClear Gov Recorder 8 application from the desktop icon.

Archiving the Recording to Flash Drive or USB Drive

If the system has been configured to archive to an external disk drive, perform the archive process using these steps:

- If the recording file has been closed, Click Open and select the file to open it.
- If the system has been configured to archive to a removable disk drive (“Flash” or “Thumb” drive, or portable external disk drive), plug the drive into the USB Hub and allow it to be recognized by Windows.
- Click the Archive button and then click the Start button to perform the archive process.
- Click on the “Safely Remove Hardware” icon in the lower corner of the screen. In the popup menu, select the Drive D: removable hardware device.
- Unplug the removable after seeing the message indicating it is safe to do so.
- The original files will now be on the removable drive, along with the recording having been added to the LanArchive folder on the removable disk.

Archiving the Recording to a Network Drive

If the system has been configured to archive to a network drive, perform the archive process using these steps:

- If the recording file has been closed, Click Open and select the file to open it.
- Click the Archive button and then click the Start button to perform the archive process. The original recording files will be backed up to the network and the recording will be archived in the LAN Archive folder.

Archiving the Recording to CDROM

If the system has been configured to archive to CDROM:

- Follow instructions provided with your system, or consult with SoniClear support for assistance.

System Shutdown

Turn off the system using these steps:

- If currently recording, stop recording.
- Exit SoniClear Gov Recorder 8.
- Select Turn Off Computer from the Start menu.
- Select Turn Off.
- After computer has turned off, switch off the power to the audio interface on front panel.
- Disconnect the laptop firewire cable from the Gov Boardroom system.

Installation of Integrated System

Overview

Gov Boardroom is optionally supplied with an integrated Windows XP Pro computer. Following are installation steps for the turnkey Gov Boardroom unit.

Computer Installation

There are no computer or software installation steps required for the Gov Boardroom system with an integrated computer. All the necessary audio and computer hardware are included and the Gov Boardroom software is installed and configured for the default settings.

The Gov Recorder 8 software license has been locked to the integrated computer. The USB Key that corresponds to this license is shipped with the system and should be kept in a safe place.

Audio Hardware Installation

Gov Boardroom is shipped with the Motu 8Pre or equivalent 8-channel firewire audio interface. Access to the microphone inputs is provided by a 25' "snake" cable. On the end of the cable is a connector box with 8 standard XLR microphone inputs. Plug the microphones into these inputs. The unit is shipped with microphone Phantom Power enabled. If you require turning off phantom power or need access to the line-level inputs on the audio interface, contact SoniClear support for assistance.

Monitor, Keyboard, and Mouse Installation

The system includes a VGA monitor, USB keyboard, and USB mouse. The monitor is connected using the VGA cable on the back of the Gov Boardroom system. Power for the monitor should be provided from a power strip shared with the Gov Boardroom system.

The keyboard and mouse are connected to the Gov Boardroom system using a USB Hub. Connect the USB cable from the system to the hub and then connect the keyboard and mouse to the hub. Be sure to seat the USB connectors firmly into the jacks on the hub to ensure a reliable connection. If an external disk drive is used to archive files from the system, it is recommended that the included power supply for the USB Hub be installed. Without additional power the USB Hub may fail when connecting the external USB disk drive.

Network Connection

Gov Boardroom can be used “stand alone” without a connection to the network. It also provides the option of connecting to a network using an Ethernet cable. The cable is on the back of system and can be connected directly to an Ethernet hub, or to another Ethernet cable using the included Ethernet coupler. The IT department or network consultant should be consulted before connecting the Gov Boardroom system to ensure compliance with organizational security procedures.

The Windows XP computer is shipped with the latest patches and configured to check for Windows Updates, but not download or install them. This is important, as the Windows Update process will interfere with recording when it is in automatic install mode. An antivirus scanner (NOD32) is also installed and configured on the system to protect the Gov Boardroom system and network computers from damage by computer viruses.

Because the system uses a standard Windows XP Pro operating system, it can be updated and configured to match the requirements of the organization, as required.

Technical Support

Hardware and software support is provided by SoniClear. Contact your SoniClear dealer or view the SoniClear Support Page at www.soniclear.com for information about contacting support, as well as current release and online support information.

Installation with User-Supplied Computer

Overview

Gov Boardroom is optionally available without the integrated computer. Following are hardware requirements and installation steps for connecting the Gov Boardroom unit to a user-supplied computer system.

Hardware Requirements

The following are the hardware requirements for the recording computer:

- Laptop or Desktop Computer
- Windows 7 or Windows XP (XP Professional recommended)
- Dual Core Processor, 1.5 GHz or faster, or Intel Atom computer 1.6Ghz or faster
- Adequate disk space for recording (see “Disk Storage Space” below).

IMPORTANT NOTES:

- Some newer computers that include advanced display chipsets will not record correctly (such as computers with some models of ATI or NVidia graphic processors). Contact SoniClear for instructions for how to test the computer for compatibility with multichannel recording. Failure to verify the compatibility of the computer may result in recordings with audio that is missing or damaged.
- Computers with slower processors can be used for playback, transcription and archiving using Gov Recorder 8 or Transcriber Live software included with Gov Boardroom. See the SoniClear Installation Guide for more information about installing Gov Recorder 8.

Disk Storage Space

SoniClear stores the recorded audio data on the disk drive of the laptop computer that is running the program. A network or remote drive cannot be used for storage during recording. Playback from a network drive is possible for files converted to MP3 format, but this will depend on the speed of the network and shared server involved. Storage requirements for the various recording modes are as follows:

2 Channel WAV

316 Megabytes per hour

4 Channel WAV	948 Megabytes per hour
6 Channel WAV	1264 Megabytes per hour
8 Channel WAV	1580 Megabytes per hour
2 Channel MP3	44 Megabytes per hour
4 Channel MP3	132 Megabytes per hour
6 Channel MP3	352 Megabytes per hour
8 Channel MP3	440 Megabytes per hour

Audio Hardware

Gov Boardroom is shipped with one of the specific multi-channel audio interfaces supported by the Gov Recorder 8 software:

Motu 8Pre
RME Fireface 800
M-Audio Delta 44
M-Audio Delta 1010

Computer Audio Data Connection

Depending on the type of audio hardware supplied, an additional data interface device may be required:

- For Firewire-based audio interface systems (Motu 8Pre, RME Fireface), the computer must have a Firewire 400 port. The Gov Boardroom is supplied with either a PCI Firewire card for installation into desktop computer PCI slot, or a PCMCIA Firewire card for insertion into a laptop PC card slot.
- For PCI-based audio interface systems (M-AudioDelta 44 and Delta 1010), there is a proprietary PCI adapter card included. These interfaces require a PCI slot in the desktop computer, and will not work with laptops, or with desktops that do not have a PCI card slot.

Technical Support

Contact your SoniClear dealer or view the SoniClear Support Page at www.soniclear.com for current release and technical support information.

Computer Setup

For systems where the computer is supplied by the user, the computer must be configured specifically for audio recording. Following are required installation steps to ensure that the computer will run reliably when running SoniClear Gov Recorder 8 software connected to the Gov Boardroom audio hardware. The following instructions are based on the Windows XP operating system. For Windows 7 these instructions will need to be altered to match with the controls for that version of the operating system.

Power Management

Turn Off all Hibernation, Screen Saver, and Power Saving options:

To prevent the system from powering down to reduce power usage, from Control Panel –> Power Options, activate the “Always On” power scheme. For Plugged in and Running on Batteries alternatives, set “Turn off monitor”, “Turn off hard disks”, and “System standby” to Never.

To prevent hibernation, from Control Panel -> Power Options -> Hibernate tab, Uncheck “Enable Hibernation”.

Turn off Screen Saver, Right Click on Desktop -> Properties -> Screen Saver tab, select “(None)” for the type of screen saver.

Some manufacturers use the default power management included in Windows XP. However, some systems include extra control panels for this purpose. Consult the computer documentation for more details.

System Sounds

Turn off System Sounds to prevent these from becoming recorded, from Control Panel -> Sounds and Audio Devices.

In the Audio tab, set Default device to internal sound card.

In the Sounds tab, under Sound Scheme, choose “No Sounds” (select No to saving the previous Scheme). Then click Apply

Drive Indexing

Turn off drive indexing for all NTFS drives. Open My Computer, right click on the NTFS drive and select Properties. Uncheck “Allow Indexing Service...” and click Apply.

In the confirmation dialog, select “Apply Changes to C:\subfolders and files”. If you get the Access Denied error message, click Ignore All.

Performance

Performance options are set in the dialog Control Panel -> System -> Advanced -> Performance -> Settings.

In the Visual Effects tab, select “Let Windows choose what’s best for my computer”. On slower computers, moving a window around on the screen can cause interruption of recording. If that occurs, uncheck “Show Window contents while dragging”. This will automatically switch the type to Custom and will change the display to optimize the performance of window movement. This may also change the appearance of windows on the screen.

In the Advanced tab, set Processor scheduling to “Program”.

In the Advanced tab, set Memory Usage to “Program”.

In the Advanced tab, Virtual memory, click Change, select Custom size and enter the same size in both Initial size and Maximum size. The required value will depend on how much memory is installed and how many programs are used simultaneously. As a minimum value, enter the following:

- For 256MB RAM - Enter 512 for Min and Max
- For 512MB RAM - Enter 768 for Min and Max
- For 1024MB RAM - Enter 1536 for Min and Max

Automatic Updates

Turn off Windows Automatic Update service. From Control Panel -> System -> Automatic Updates tab, select “Turn off Automatic Updates”. For systems that are always network connected, it may be safer to select “Notify me but don’t automatically download or install them.” This will ensure that the user is always informed of the need to perform an update, without interfering with recording processes.

Internet Time

Turn off the automatic updating of the system time with a central server. From Control Panel -> Date and Time -> Internet Time, Uncheck “Automatically synchronize with an Internet time server”. Click Apply.

Desktop Cleanup Wizard

Disable the automatic Desktop Cleanup Wizard. From Control Panel -> Display -> Desktop -> Customize Desktop -> Uncheck "Run Desktop Cleanup Wizard every 60 days".

Archive Setup

SoniClear Gov Recorder is designed for use in meeting rooms that may be used for meetings with different groups within the organization. To facilitate processing of meeting recordings after the meeting, the Auto Archive feature will copy the recordings in an automated fashion to a portable disk drive or to a shared network drive. There are several options for configuring the Auto Archive feature.

For systems that include an integrated computer, the software is configured by default to archive recordings to an external disk drive (Drive “D:”). For systems where the computer is provided by the user, the default setting of the software is to perform auto archive functions to the MyDocuments folder of the local computer disk drive.

This should be configured by the system installer to meet the needs of the organization. This depends on whether there is a preference to use portable disk drives or a network drive for transferring files from the Gov Boardroom system to workstations within the organization.

Portable Drive Configuration

To archive to the portable disk drive, the software should be configured to write files to the local drive letter that is assigned to the USB disk drive device. Typically this is Drive D:, but may be E:, F: or other letters, depending on the drives in the computer and the network drives that are mapped to the computer when it boots up. The default setting for system supplied with an integrated computer is the D: drive. Any type of removable drive can be used, and will typically be a Flash drive (sometimes called a “thumb drive”), or portable hard disk drive.

Prior to modifying the settings in Gov Recorder 8, plug in the removable disk drive that will be used and create three directories, for:

- Web Archives (such as d:\WebArchive)
- Lan Archive (such as d:\LanArchive)
- Backup Folder (such as d:\SoniClearBackup)

where d: is the drive letter of the removable drive.

Then start Gov Recorder 8 on the Gov Boardroom computer and select Edit/Preferences from the pulldown menu. This will display the Files preferences tab where the information will be modified. Enter into the Export Settings section the new Web Archive, Lan Archive, and Backup folder locations.

If the Gov Recorder software version is later than 7.0.32, the “Enable Auto Archive Button” should also be checked so that the Archive button will be displayed for one-click archiving.

Network Drive Configuration

It is also possible to configure Gov Recorder 8 to archive files automatically to a shared network drive.

Prior to modifying the settings in Gov Recorder 8, map a network drive to be accessible by the software and create network folders for:

- Web Archives (such as d:\WebArchive)
- Lan Archive (such as d:\LanArchive)
- Backup Folder (such as d:\SoniClearBackup)

where d: is the drive letter of the mapped network drive. The Gov Boardroom computer must have read/write access to the directories on the network that will be used for the file transfer.

Then start Gov Recorder 8 on the Gov Boardroom computer and select Edit/Preferences from the pulldown menu. This will display the Files preferences tab where the information will be modified. Enter into the Export Settings section the new Web Archive, Lan Archive, and Backup folder locations.

If the Gov Recorder software version is later than 7.0.32, the “Enable Auto Archive Button” should also be checked so that the Archive button will be displayed for one-click archiving.

Firewire Installation

Overview

For Gov Boardroom systems supplied with a firewire audio interface for connection to a user-supplied computer, that computer must have a suitable Firewire 400 or Firewire 800 port. For the Motu 8Pre interface, the Texas Instruments, Via, and Lucent chipsets are supported. For the RME Fireface 800 interface, any Firewire 400 or Firewire 800 chipset is supported. Contact Trio Systems for a current list of supported firewire interface card options.

Built-in Firewire Connections

Many computers include a built-in firewire interface. This can be used provided that it has a chipset that compatible with the firewire audio interface supplied with Gov Boardroom.

The cable from the Gov Boardroom firewire interface uses a 6 pin connector on one end. The other end of the connector must match the port on the computer. This can be either 6 pin or 4 pin connector, but is usually 4 pin. A third type of firewire connection, 9 pin, is supported by the Fireface 800, which can be connected to a 9 pin, 6 pin, or 4 pin computer port.

Laptop Firewire Add-On Cards

If a laptop computer is being used for recording that does not include a firewire port, an add-on firewire PCMCIA PC Card or ExpressCard can be added to the computer. The card plugs into the PCMCIA card slot. No device drivers need to be installed.

Be sure the laptop is turned off when plugging it in. It is also recommended that the computer and firewire interface be turned off when connecting the laptop to the Gov Boardroom audio interface.

Note: the firewire interface may not work correctly if the computer has gone into a power saving mode, such as hibernation. You will need to reboot the computer before using the firewire interface if this should occur.

Desktop Firewire Add-On Cards

If a desktop computer is being used for recording that does not include a firewire port, an add-on firewire PCI card can be added to the computer. No device drivers need to be installed.

Audio Interface Installation

Motu 8Pre Installation

The Motu 8Pre firewire audio interface is used for connecting microphone and line-level audio signals to the computer. When connecting to user-supplied computer systems, the 8Pre device drivers must be installed and the system configured for use with Gov Boardroom.

Power and Data Interface Cables

The Gov Boardroom system has a connection to a power outlet. It does not support battery operation.

The Motu 8Pre connects to the computer using a standard firewire cable. Because power is not derived from the firewire bus, both 4 and 6 pin connectors are satisfactory. You will need to ensure that the method of connecting the cable to the computer is physically sound so that the cable cannot be accidentally disconnected from the computer during recording. Loose connectors or situations where the cable can become snagged and pulled out of the plug need to be addressed in the setup of the equipment. In addition, use of an inflexible firewire cable for connection to a laptop may result in damage to the laptop connector. For this reason it is important to use thin firewire cables, such as the Apple Computer proprietary very thin firewire cables.

Motu 8Pre Software Installation

Driver and Control Panel Installation

The Motu 8Pre provides drivers and control panel software with the product on CDROM. Installation of drivers should be performed by a qualified computer technician.

When installing a new system, the CDROM drivers can be used. It is recommended, however, that you download the latest Windows software available from the Motu website if there are more recent updates (see www.motu.com).

To install from the supplied CD, insert the disk and follow the instructions in the manual and on screen. To install the downloaded drivers follow the instructions provided on the Motu support website.

After installing the drivers, reboot the computer to complete the installation process. Depending on the driver version, it will normally display additional installation messages after rebooting. If the system prompts you to install the new hardware, do not select the

option to search Windows Update, and use the Automatic Install option. This prompt may occur several times. Carefully follow the written and on-screen instructions to ensure proper installation.

Driver Configuration

Once driver installation is complete, run the Motu Audio Setup wizard from the Start/All Programs menu. The following settings are required:

- General
 - 44100 Sample Rate
 - Clock Source Internal
 - Samples/Buffer 512
- Pedal – unchecked
- Enable full wave supported – checked
- Enable Multichannel Sync – checked
- 8Pre tab
 - Optical Input – off
 - Optical Output – off
 - Phones – Phones 1-2

After running the Audio Setup wizard, run the Cue Mix control panel from the Start/All Programs menu. Adjust the level controls for the mix to create a 2-channel mix that will be suitable for transcription and archive review. This will generally involve panning each microphone to the same spacial location in the stereo mix as the location of the microphone in the meeting room. This mix can be adjusted after completing installation of the SoniClear Gov Recorder 8 software.

Motu 8Pre Audio Connections

Using Microphones

Microphones are connected using standard balanced XLR connectors. If the microphones require phantom power, this must be turned on using the front panel switch for each microphone channel (up position). In addition, the Pad switch should be set to Up (no Pad).

When connecting the 8Pre to a microphone-level output from a sound system (instead of actual microphones), isolation transformers may be required to prevent ground loop problems. Consult with an audio installation technician regarding this application.

Using Analog Line Input or Digital Input

Line-level analog audio connections to the Motu 8Pre use ¼” TRS balanced line connections. Digital inputs and outputs are also provided using standard ADAT optical connections.

When connecting the Motu 8Pre to a sound system using analog line-level signals, isolation transformers may be required to prevent ground loop problems. Consult with an audio installation technician regarding this application.

RME Fireface 800 Installation

For Gov Boardroom systems that incorporate the RME Fireface 800 interface, consult the setup instructions in the SoniClear Installation Guide.

M-Audio Delta 44 and Delta 1010 Installation

The M-Audio Delta 44 and Delta 1010 audio interfaces are designed for permanent installation in desktop Windows computers using a standard PCI card slot. Install the card and related device drivers following the instructions provided with the card.

Gov Recorder 8 Installation

SoniClear Software Installation

Installation from CDROM

To install SoniClear from CDROM, insert the SoniClear Disk in the computer. The install program should automatically start. If the install program does not start, manually start installation: press the Task Bar START button and select "Run". At the prompt enter D:\InstallSoniClear7.exe (where "D" is the CDROM drive letter,) and press Enter. Follow the installation instructions presented on the screen.

Administrator and Non-Administrator Rights

The installation process requires that the user account have full Administrator Rights. This allows for installation of the USB Key device drivers and for writing information into the system registry to control standard uninstall procedures (Add/Remove Programs in the Control Panel).

Adding the SoniClear Icon to Your Desktop

SoniClear automatically adds a program icon to the desktop for the user who installs the program, and SoniClear can also be started from the Windows Start button.

If you want to add a program icon to the desktop of another user, follow these instructions:

1. Right click on the Windows Start button (in the Task Bar).
2. Select "Explore" from the pop-up menu.
3. Open the SoniClear program folder:
 \Documents and Settings\Username\Start Menu\Programs\SoniClear7.
4. Right click on the SoniClear icon.
5. Select "Copy" from the pop-up menu.
6. Right click on the desktop.
7. Select "Paste Shortcut" from the pop-up menu.

Install Gov Recorder 8 License

The SoniClear Gov Recorder 8 software license is stored on a supplied USB Key device. It is recommended that you lock the license to the Gov Boardroom recording computer and put the USB Key away in a secure location in case it is needed to move the license to another computer at a later time. To lock the license, follow these steps:

- Plug the Gov Recorder 8 USB Key device into the computer USB port.
- Run SoniClear from the desktop icon.
- Select Edit/Preferences from the pulldown menu.
- Click on the License tab.
- Click Lock to lock the license to the computer.
- Click OK.
- Exit SoniClear.

Gov Recorder 8 Software Configuration

After installation of the software and hardware, Gov Recorder 8 must be configured to work with the audio interface in the Gov Boardroom system. If the configuration settings from this step are changed for some reason, or a new computer is installed for use with the system, these settings must reset to the correct configuration for proper operation of the system. Modifications to the configuration should only be made by a qualified computer technician.

Edit Audio Hardware Preferences

To set the configuration, start Gov Recorder 8 and select Edit/Preferences from the pulldown menu. Then select the Hardware tab and modify the settings according the following instructions.

Recording Device Selection

The Recording Device Selection section of the Hardware tab controls the usage of the sound cards in the computer during recording.

Default Recording Device

This is the default sound card that will be used as the audio source for the Stereo Mix channels stored in the primary recording file. The value should be set to Motu Mix input source.

Recording Array Device List

Edit Multi-channel recordings accept audio input from a series of audio interface channels that are numbered sequentially. Click the Edit button and select Motu channels 1+2. Then click the Defaults button to adjust the rest of the array list.

Removable Recording Device

The “Use Removable Device If Present” and “Automatic Removable Device Selection” check boxes should be unchecked.

Advanced Recording Options

These options control how recording is processed.

Recording Process Priority

Default value should be set to Medium.

Buffer Size

The default value should be set to Automatic.

Disk Update Time

The default value should be set to 5000 milliseconds.

Force Recording at 44.1KHz.

The default value should be set to Checked.

Playback Device Selection

The Playback Device Selection section of the Hardware tab controls the usage of the sound cards in the computer during playback.

Default Playback Device Selection

This is the sound card that will be used for playback through speakers. The default value should normally be set to the computer internal sound card. However, a room sound system can also be connected to the stereo balanced outputs on the 8Pre. In that case, use the Main Out selection.

Enable Live Monitoring

This is the sound card that will be used for playback through headphones. This option should be checked and the Headphone Monitor Device Selection should be set to Motu Phones.

Removable Recording Device

The “Use Removable Device If Present” and “Automatic Removable Device Selection” check boxes should be unchecked.

Advanced Playback Options

These options control how playback is processed.

Playback Buffers

The default value should be set to 4 buffers.

Buffer Size

The default value should be set to 1000mSec.

Monitor Delay

Monitor Delay should be set to the default of 3 seconds.

Force Recording at 44.1KHz.

This field should be set to Checked.

Edit File Preferences

Gov Recorder 8 can be configured to store files in various locations for the recording and archiving features. The default file location is to store recording in My Documents, and LAN archives in My Documents\LANArchive. Change these defaults in the Files preference dialog by selecting the Edit/Preferences pulldown menu option.

It is important to set the default recording location to the hard drive of the recording computer. Do not use a local area network drive for recording. The LAN Archive can be set to any location.

Edit Recording Option Preferences

Gov Recorder 8 can be configured to default to recording 2, 4, 6, 8, 10, 12, or 14 channels. In addition, there is the option of recording in standard WAV format, or in MP3 format. The advantage of the MP3 format is that it dramatically reduces the size of recorded files. The benefit of WAV format is that in some situations the sound quality will be slightly clearer, and WAV format is non-proprietary, which may be legally required in some governmental applications.

To set the Recording Options do the following:

- Start Gov Recorder 8
- Select Edit/Preferences from the pulldown menu.
- Select the Recording Options tab.
- Set the number of recording channels (such as 6 for a 4-channel recording or 10 for an 8-channel recording).
- Set the recording format (WAV or MP3).
- Click OK.
- Exit SoniClear.