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NOTE : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. If necessary, consult an experienced radio/television technician for additional suggestions.

Correspondence

For technical support inquiries, contact your nearest dealer, or Ego Systems, Inc. directly.

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Online Technical Support: http://audiotrak.net/support.htm

All features and specifications are subject to change without notice.

Table of Contents

1. INTRODUCING MAYA44 MKII

1. 4 IN 4 OUT 24BIT/96KHZ AUDIO INTERFACE

AUDIOTRAK MAYA44 MKII is a total solution for today's high-resolution multi-track hard disk recording and playback. You would be amazed by its powerful and rich features MAYA44 MKII offers. MAYA44 MKII will satisfy beginners who just entering the world of digital audio, DJs using the PC audio systems, and music production professionals who produce music at his/her professional level with its power usage and reasonable budget.

As an evolution of the computer system continuously growing, a digital audio system now is much common in use. With MAYA44 MKII, you can make a complete set-up of the DTMP (Desktop Music Production) system on your station very easily. MAYA44 MKII would be the center of your DTMP system providing high quality of sound that can be compared to that of a professional studio, and a good guide to the world of digital pro audio music and multimedia market.

Inheriting all the favorable configuration of original MAYA44 PCI digital audio interface, now the revamped MAYA44 MKII has 24bit/96kHz real DAC and ADC, internal mixer(as well as DirectWIRE virtual router), and advanced control panel for precise level metering. The new MAYA44 MKII also supports 'MI/ODI/O' optional add-on card for digital input and MIDI interface. With more powerful 120mW headphone amp and stable ICE controller chipset in the optimal design, MAYA44 MKII is still the most valuable digital audio interface for your desktop music production.

2. FEATURES

- Plug In with Analog Inputs (4) and Outputs (4)
- 24bit/96kHz D/A Converter and A/D Converter
- Simultaneous Full-Duplex Recording and Playback
- S/PDIF Coaxial and Optical Digital Outputs
- Direct Monitoring for Input Signals (Zero Latency, by Hardware)
- Built-in Internal 4 Channel Digital Mixer
- Microphone Preamp with Phantom Power (+12V)
- Headphone Amplifier (125 mW @ 32 Ohm)
- E-WDM driver supporting ASIO/MME/WDM/GSIF/DirectWIRE
- Expansion Connector for additional Digital Audio and MIDI interface(MI/ODI/O)*

3. E-WDM DRIVER AND DIRECTWIRE SUPPORT

AUDIOTRAK'S E-WDM DRIVER

– *Broad Compatibility, Access to Professional Audio Tools*

Current software driver technology limits audio cards to processing only the audio streams delivered from Microsoft's WDM driver to the audio hardware. AUDIOTRAK's engineers developed E-WDM enhanced drivers that break the boundaries of the Microsoft WDM kernel's processing limitations. AUDIOTRAK's E-WDM drivers leverage the power of today's CPUs to apply virtual sounds and effects in real time to audio streams – just like the pros do it - within the E-WDM driver level. E-WDM drivers provide Audiotrak's MAYA44 MKII card broad compatibility with professional quality tools (WDM, ASIO 2.0, GSIF, and more) and the ability to exceed professional latency levels.

AUDIOTRAK'S DIRECTWIRE FEATURE

– *Record Any Audio Source, Route Digital Audio Streams Without Wires*

Audiotrak's DirectWIRE is a new driver technology that routes audio internally within applications for recording or processing using varied audio drivers like WDM, ASIO, GSIF, MME and others. DirectWIRE is a router that allows the simultaneous routing of audio streams and also allows the user to record from one application to another without any loss of audio streaming data in real-time.

4. PROFESSIONAL DIGITAL RECORDING – DTMP

Audiotrak's MAYA44 MKII adopts the new 'E-WDM' driver model which provides a superior data processing performance and most compatibility. The E-WDM driver will work at its best in multi-track hard disk recording. MAYA44MKII is compatible with popular multi-track recording software such as Cakewalk™/SONAR™, Cubase™, Nuendo™, Logic™, plus mastering software like Sound Forge™ and Wavelab™. Also MAYA44 MKII works with software samplers like Logic Audio™ EXS 24, Halion™, and GIGAStudio™, and Virtual Instruments like Reason™ and Reaktor™.

2. HARDWARE INSTALLATION

1. SYSTEM RECOMMENDATION

The MAYA44 MKII is not simply a digital audio interface card, but a high-resolution digital audio device capable of advanced processing of audio content. Even though the MAYA44 MKII is built to have low-CPU resource dependability, system specifications play a key part in the MAYA44 MKII's performance. Systems with more advanced components are generally recommended.

SYSTEM REQUIREMENTS

- Intel Pentium III CPU or equivalent CPU
- Motherboard with Pentium III support (ex: Intel 815/845/865/875, VIA 694/KT133/KT266/KT333/KT600, etc.)
- At least 256MB of RAM
- One available PCI slot
- Microsoft Windows 98SE/ME/2000/XP operating system
- Hard Driver supporting UDMA 66/100 and 5400rpm
- Active speakers or speakers with powered receiver

2. PREPARATION FOR HARDWARE INSTALLATION

The MAYA44 MKII PCI card and other components in the computer can be damaged easily by electrical shock. You should use an anti-static device that can discharge the static electricity of your body to avoid potential static damage to the cards.
The MAYA 44 MKII card is shipped in an anti-static plastic pouch to protect it from static electricity - do not open the pouch before you install the card.

1. Turn off the computer power and remove the power cable from your computer power supply.

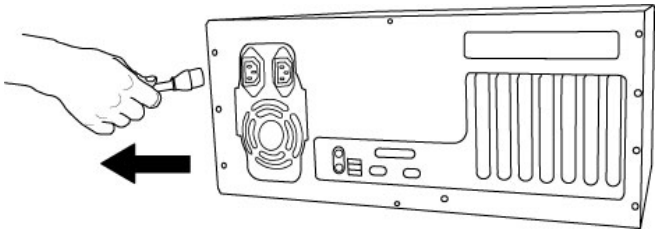


Figure 1. Disconnecting the Power Cord

2. Refer to your computer user's manual and remove the computer cover. Make sure that you have an available PCI slot on your motherboard to install the MAYA44 MKII.

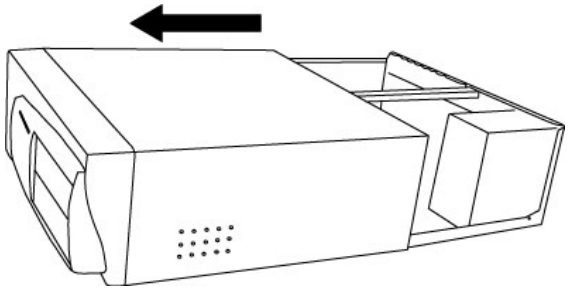


Figure 2. Removing the computer cover

3. To avoid possible static shock damage to the computer parts, discharge it by touching the computer case or something grounded. We recommend you use an anti-static device such as an anti-static wristband.
4. When holding the MAYA44 MKII card, touch only the guide or the edge of card. Do not grab the card by the board or connector.

3. PCI CARD INSTALLATION

1. Find an empty PCI slot on the motherboard

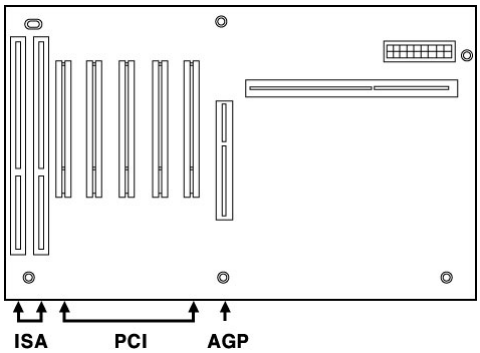


Figure 3. Typical PC Motherboard Slot Configuration

WHERE IS THE PCI SLOT? - Most computers have three different types of slots. The PCI slot is most common and is used for different types of devices including sound and graphics cards. Usually, the PCI slot is white. The AGP slot is used only for the graphics card and is typically brown.

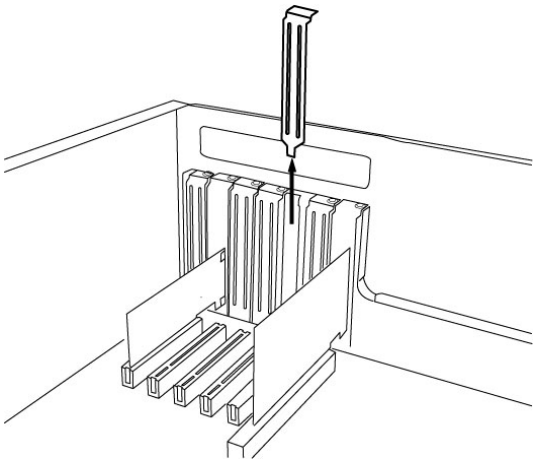


Figure 4. Removing the PCI Slot faceplate

2. If a faceplate or cover is behind the PCI slot, you can remove it by removing the screw holding it in place or by prying it off with a screwdriver.
3. Insert the MAYA44 MKII card into the PCI slot, firmly pushing the card into the slot until it is seated securely. Replace the screw, and tighten.

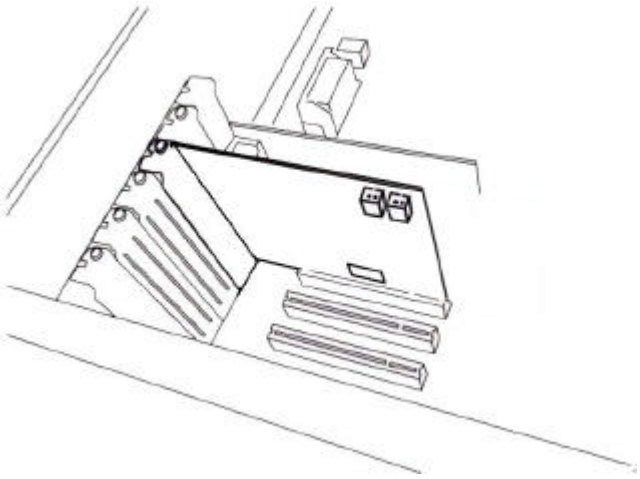


Figure 5. MAYA44 MKII Installed in a PCI slot

4. Close the computer case.

4. MI/ODI/O ADD-ON CARD (SOLD SEPARATELY)

The MI/ODI/O add-on card is not included with MAYA44 MKII. It's sold separately.

The MI/ODI/O provides additional one Coaxial Input/Output, one Optical digital Input and 16 channels MIDI Input/Output. The MI/ODI/O is designed to be used with the MAYA44 MKII series of audio cards as an add-on. It's easy to install and does not require any additional power supply or drivers to install. No new IRQ set up involved.

The MI/ODI/O lets you get more from your MAYA44 MKII by adding the power of S/PDIF In and Out and MIDI interface. Just hook it up to your MAYA44 MKII card like the below picture and you're ready to go!

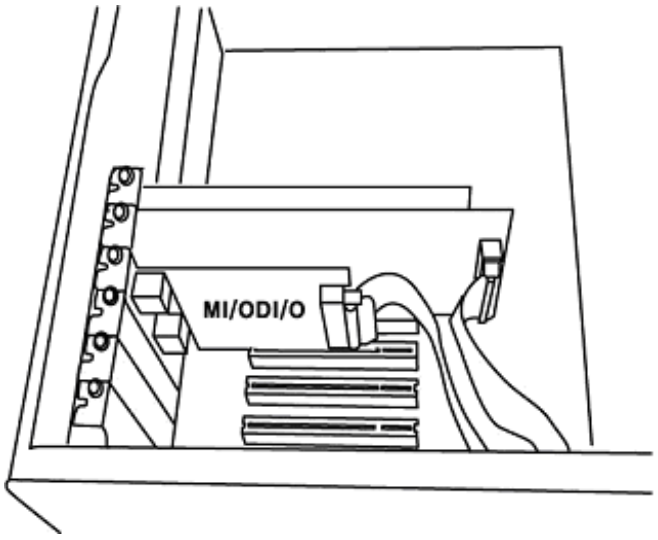


Figure 1. MAYA44 MKII with MI/ODI/O

3. DRIVER INSTALLATION

1. DRIVER SOFTWARE INSTALLATION

After completing the installation of hardware for the MAYA44 MKII, you must install the MAYA44 MKII driver software. This manual contains step by step guide for driver software installation for Windows XP. The installation steps are slightly different for Windows 98SE, Windows ME, Windows 2000 and XP. If you have any difficulties installing drivers for other operating systems please contact Audiotrak technical support.

> **NOTE:**
> Before starting the driver software installation, locate your original Windows CD, as you may need it during installation. The motherboards which adopt new chipset have to be constantly updated with patches provided by the motherboard or the chip manufacturer.

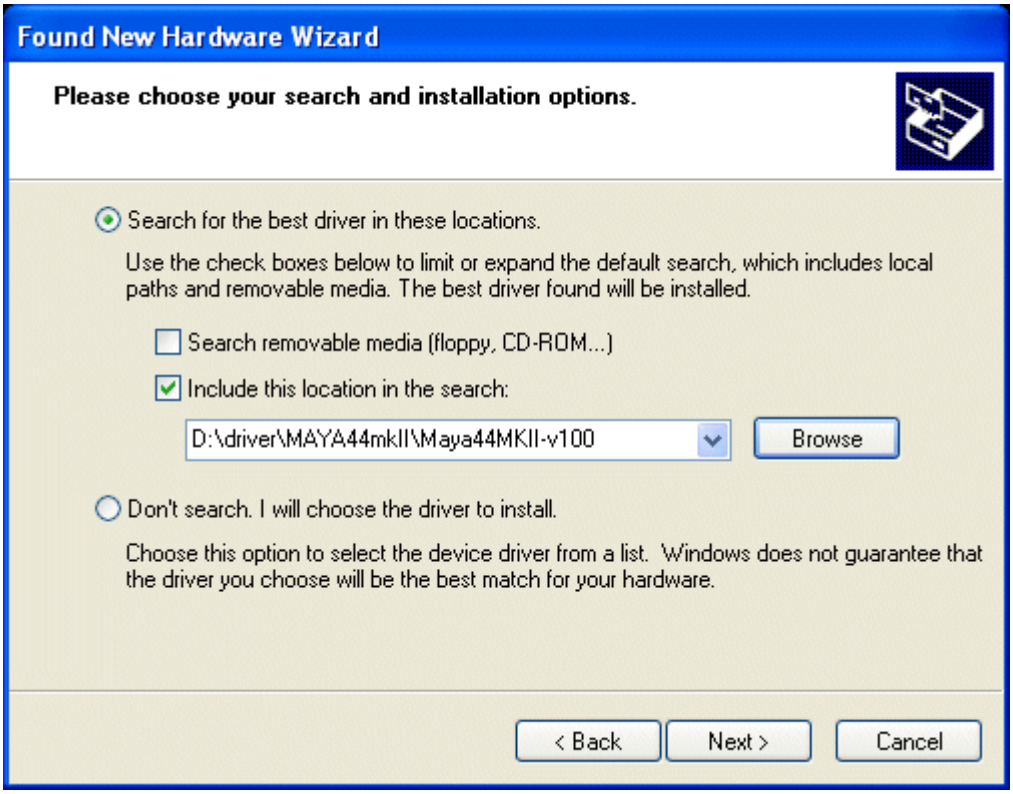
WINDOWS XP INSTALLATION

Always try to download the latest MAYA44 MKII driver available from the Audiotrak web site (www.audiotrak.net) instead. The latest driver may have reported bug fixes and updated features.

1. Turn on your computer. Windows will automatically detect a new device installation and the "Found New Hardware Wizard" window will appear.

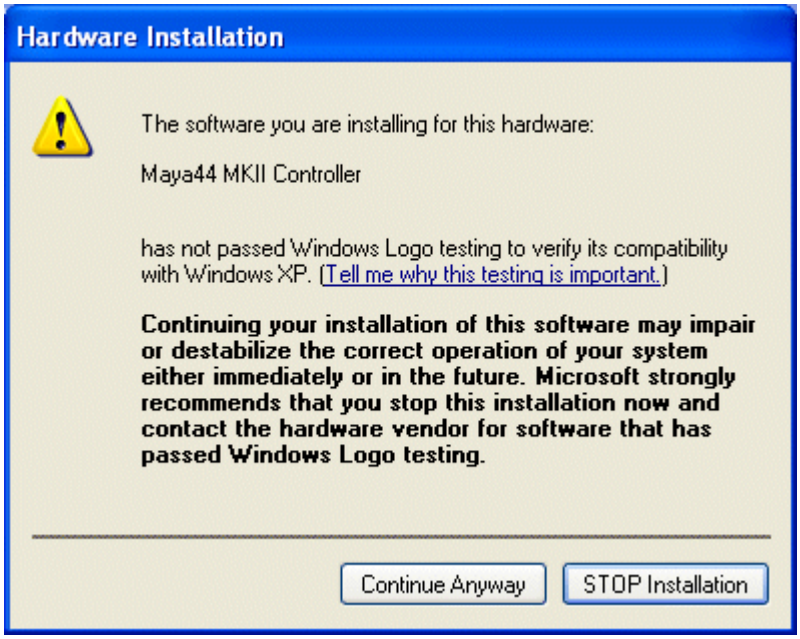
2. Choose **Install from a list or specific location (Advanced)** and click **Next**.
3. Insert the MAYA44 MKII driver CD into the CD-ROM drive.

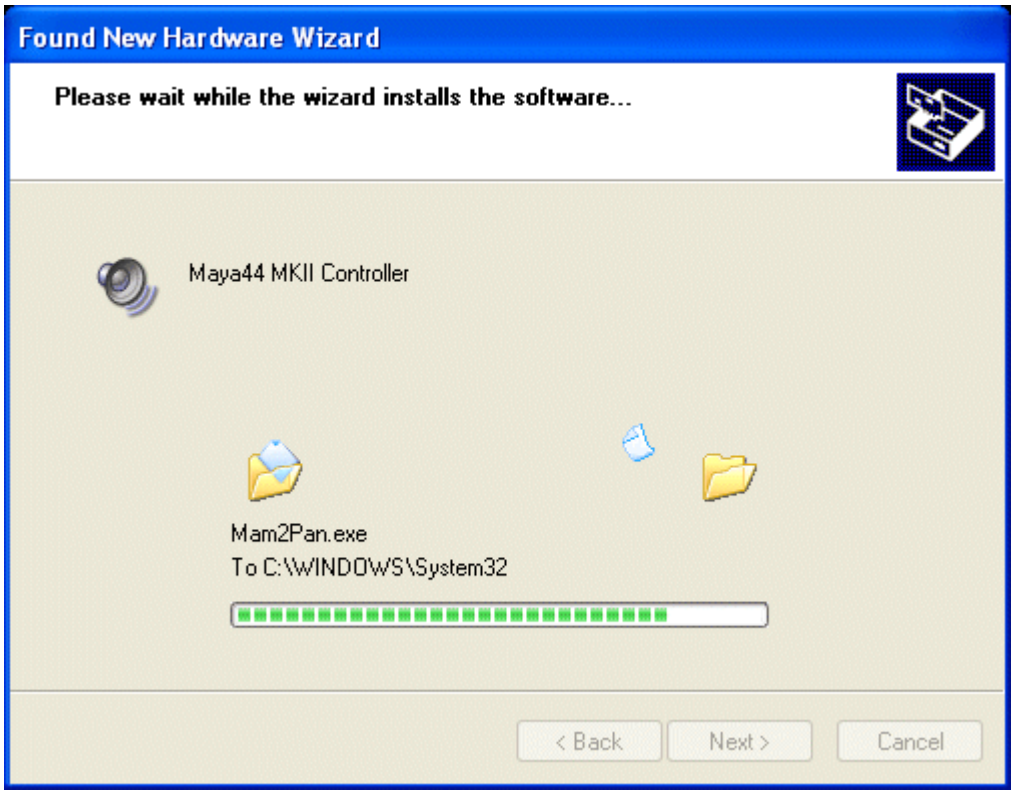
4. Choose **Search for the best driver in these locations.** Select **Include this location in the search,** click the **Browse** button, and locate the MAYA44 MKII driver folder on the driver CD.



NOTE: If you are installing drivers from the downloaded driver update, locate your downloaded driver files.

5. Click on the folder containing the MAYA44 MKII drivers and click **OK** and click **Next**.
6. With Windows 2000 and XP installations, a message might appear stating "The software has not passed Windows Logo testing to verify its compatibility with Windows XP." Though the message appeared, the driver is completely tested and verified by AUDIOTRAK and is safe to use. You can ignore the message and select **Continue Anyway**. The installation will continue and the drivers will be copied to your computer.





7. The installation will copy the drivers to your computer.

8. When the installation is complete, click **Finish**.

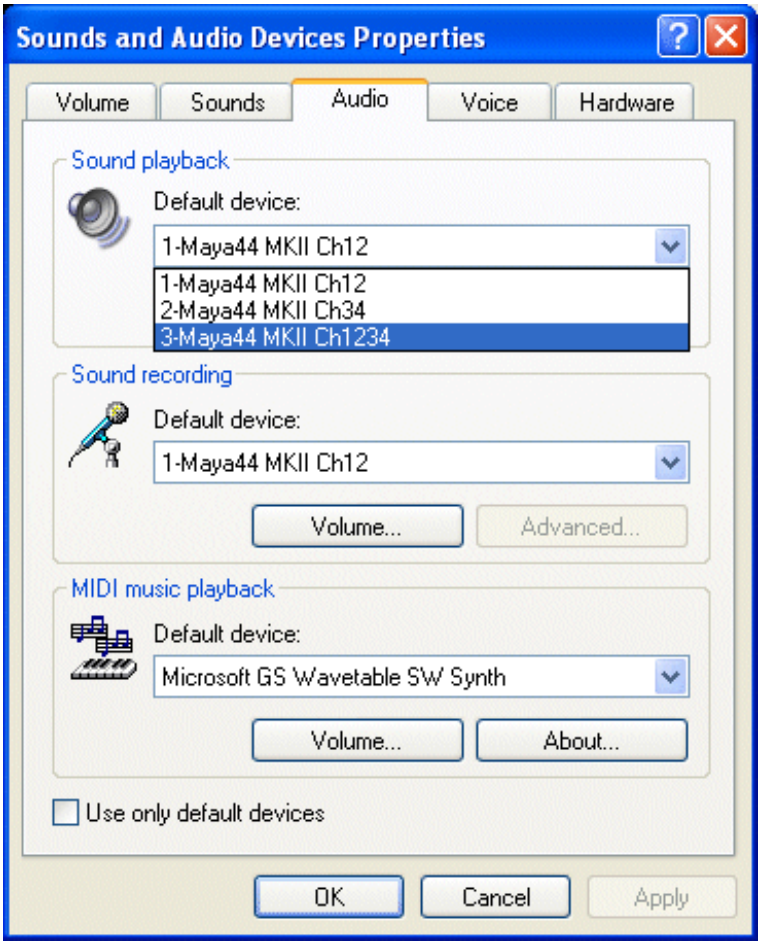
9. **The Found New Hardware Wizard window will appear again to install additional MAYA44 MKII driver**. The steps are exactly the same as the first installation from step 1.
10. Once the second driver is installed, a message will appear in the lower left corner of the desktop stating that the installation is complete your hardware is ready to use.
11. Restart your computer to complete the installation.

*To confirm the MAYA44 MKII drivers are installed, click Start in the lower left corner of the Desktop, and select **Settings** > **Control Panel**. Click on **System** to open **System Properties** window. Click on the **Hardware** tab in the System Properties window and click on **Device Manager** button under the Device Manager section. The MAYA44 MKII drivers will be listed under the **Sound, video and game controllers** section. Click on the "+" sign to expand the section.*

The MAYA44 MKII driver installation is complete.

2. WINDOWS AUDIO DRIVER PROPERTY

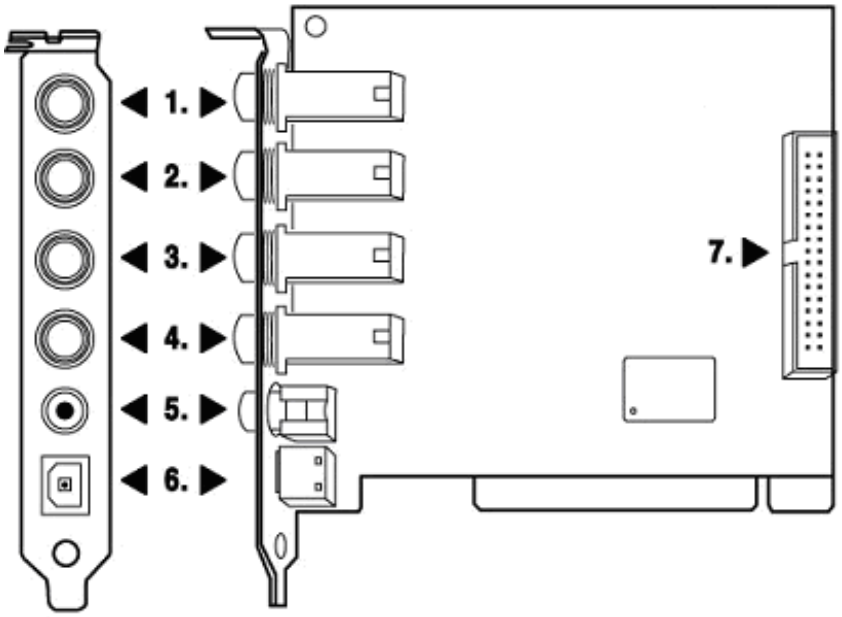
To check if Windows has correctly identified MAYA44 MKII and selected as the default audio device, click Start in the lower left corner of the Desktop, and select Settings > Control Panel. Click on Sounds and Audio Devices to open Sounds and Audio Devices Properties window. Click on the Audio tab. The MAYA44 MKII drivers will be listed under the Sound playback and Sound recording.



Some Advanced properties buttons will be graded out because MAYA44 MKII console panel has all input and output mixer controls which some of the mixer features are not compatible with Windows default mixer. However, this doesn't mean you don't have advanced options. MAYA44 MKII console panel is designed to include all professional audio features that are not always compatible with the basic mixer control.

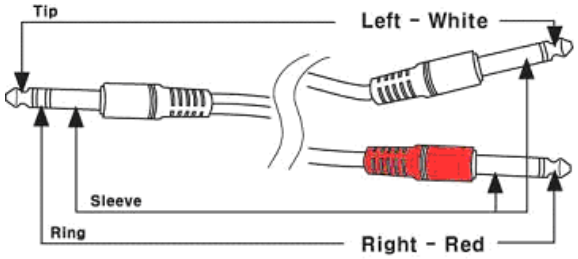
4. CONNECTING EXTERNAL DEVICES

1. MAYA44 MKII CONNECTORS



1. **LINE 1/2 Analog Input** Connector (Stereo Input) / MIC 1 Input (Mono Input)
2. **LINE 3/4 Analog Input** Connector (Stereo Input)
3. **LINE 1/2 Analog Output** Connector (Stereo Output)
4. **LINE 3/4 Analog Output** Connector (Stereo Output)
5. **Coaxial Digital Output** Connector
6. **Optical Digital Output** Connector
7. Optional I/O add-on connector

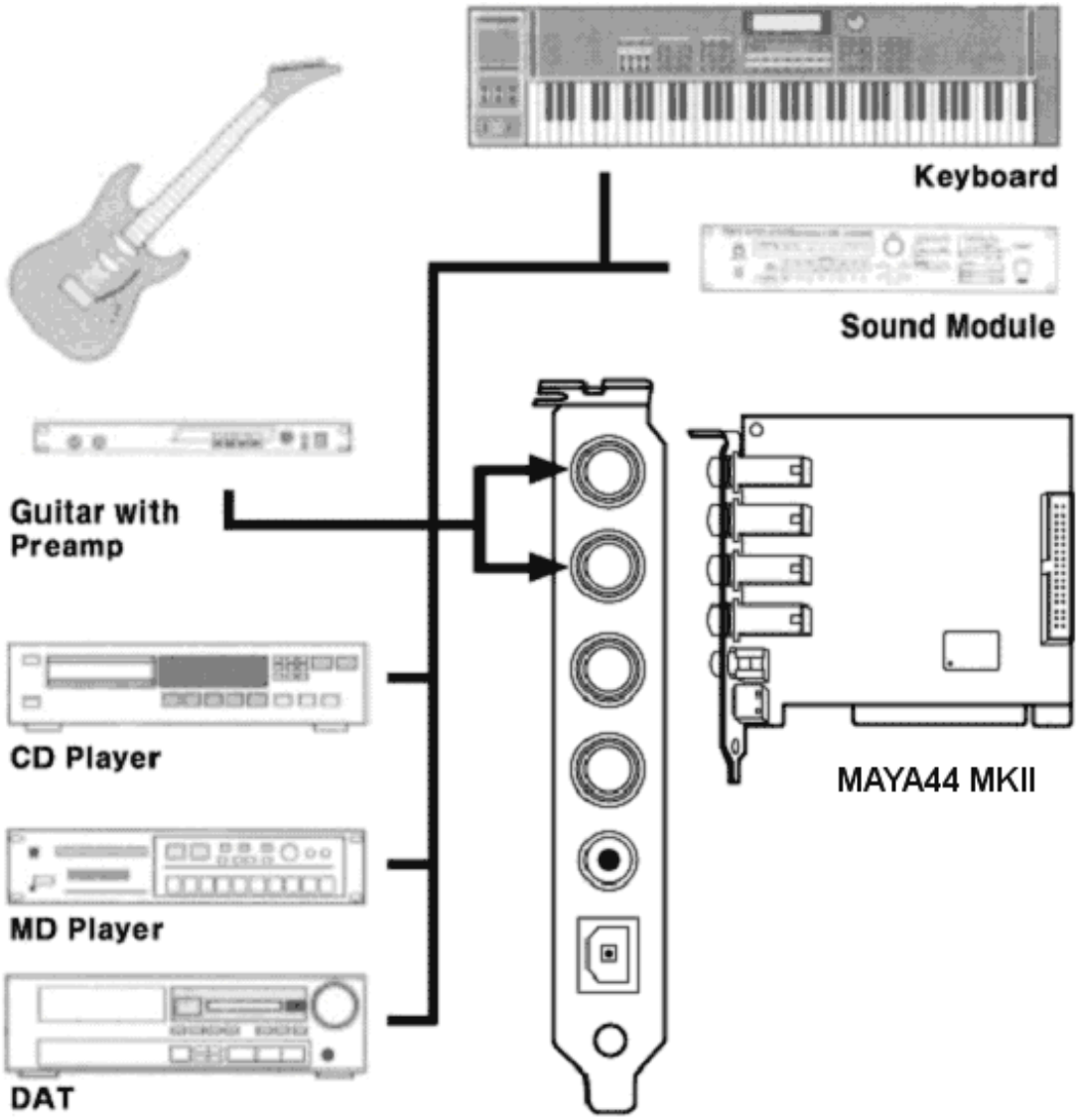
NOTE: The MAYA44's output port uses stereo 2xMono Y cable. Like below picture, MAYA44 Input port uses 55 stereo phone jack and connection to Mixer or external devices need two MONO jacks for each Left and Right channel. Stereo (TRS) cable's Tip is connected with Left(white) In/Out port. The Ring is connected with Right(red) In/Out port. The Sleeve connected with Ground of both side.



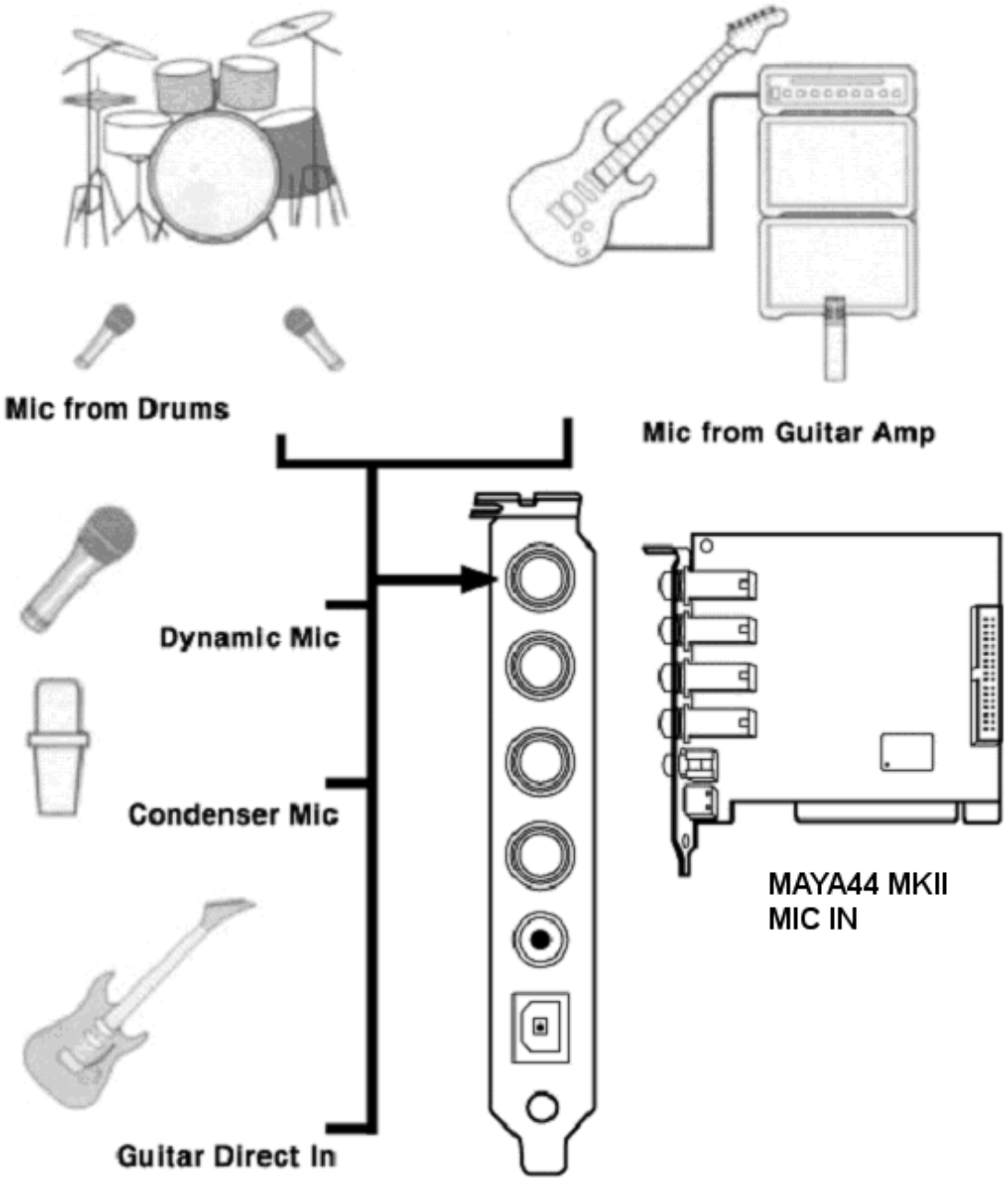
(Cables sold separately)

2. BASIC CONNECTION TO EXTERNAL DEVICES

1. Analog inputs (1~4) take signals into the MAYA44 MKII and the computer. A regular CD-player, MD, and any other analog source can be connected for listening or recording. Also sound modules, samplers, and synthesizers can be connected to record their outputs.



2. Mic Input (Analog Input 1 & 2) can be used to connect a microphone. A dynamic mic or condenser mic that needs phantom power can also be connected. You can record a voice or musical instruments such as a guitar, bass and piano.



3. Analog Output ports (1 ~4) have two different mode.

- Using 4 Output ports

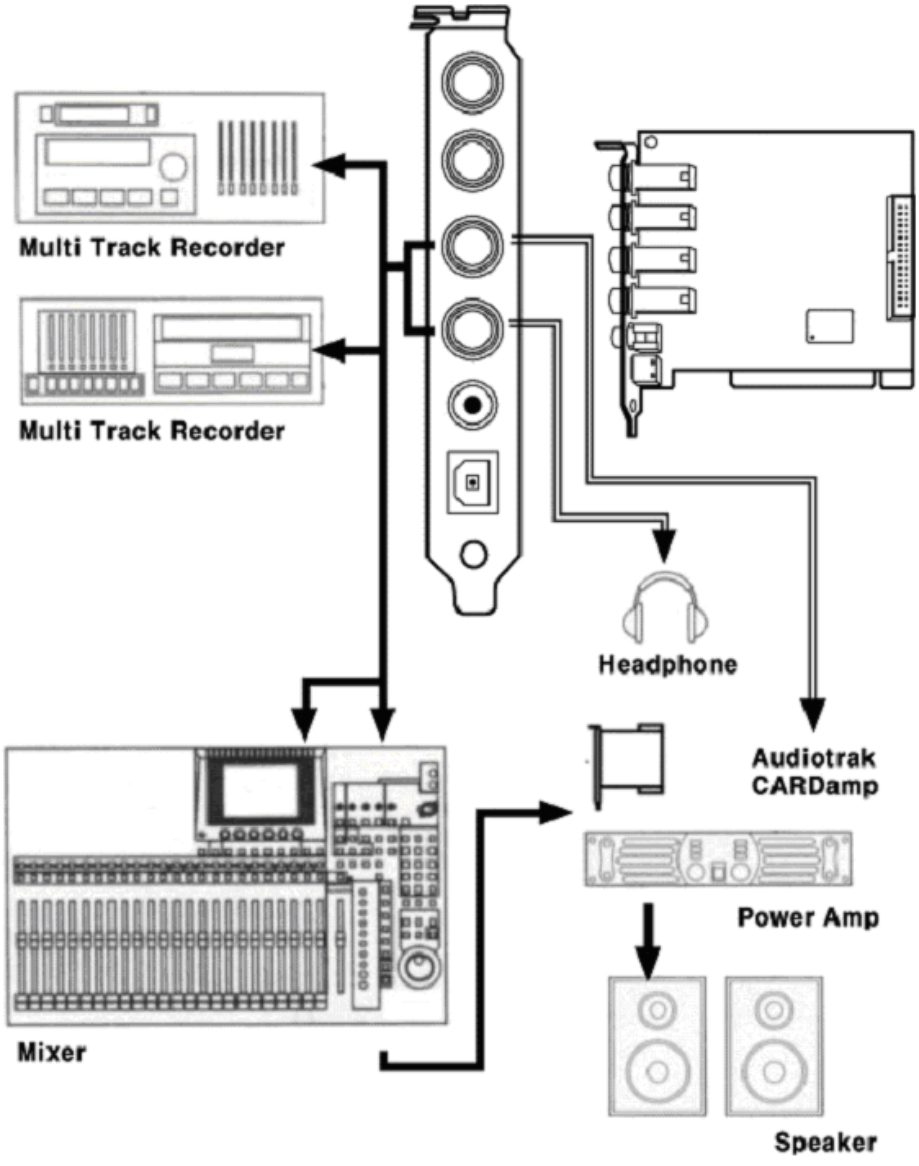
In this case, analog outputs 1~4 works as output ports of a wave device. You can set up these in your application or Windows Multimedia properties. This mode is usually used for multiple outputs when you use a mixer or a multi-track recorder. You can use these in multi-track recording programs such as Cubase and Cakewalk.

*** In the below picture, Indicated as black arrow connection.

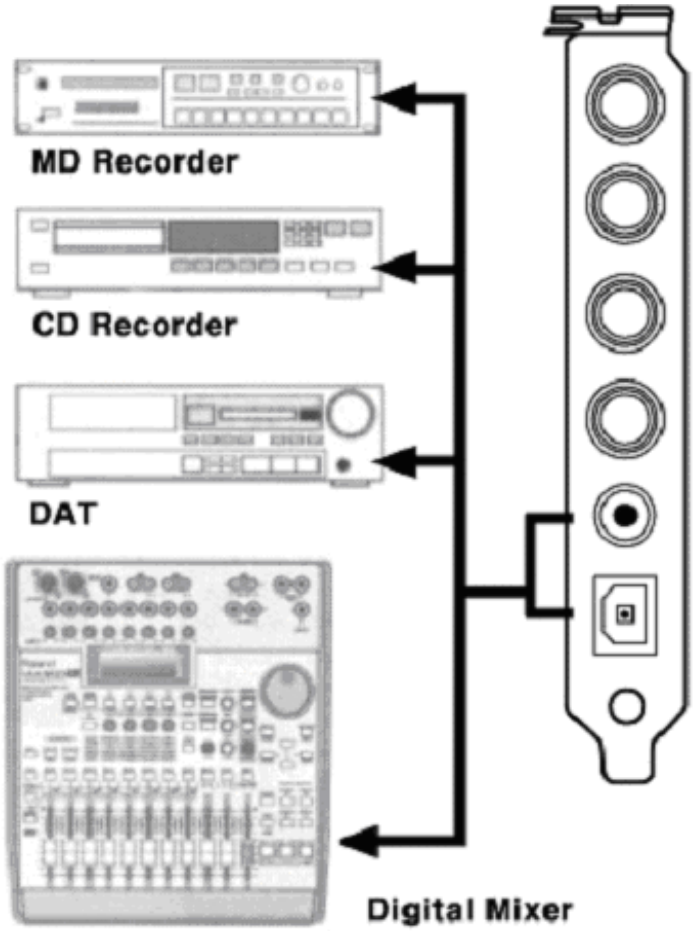
- Output 1 and 2 use as 2 Channel Main monitoring mode / Using Headphone

You can use this mode when you don't have a mixer or you want 2-channel mix down and master output. Output 1 and 2 become stereo master output of the MAYA44 MKII. The merit is that you can monitor all Inputs and outputs of the MAYA44 through Output 1/2. Simultaneously, Output 3/4 become as headphone monitoring out. Select headphone button on the control panel, you can monitor output 1/2 using headphone.

*** In the below picture, Indicated as black and white arrow connection.



4. Digital Output(Coaxial, Optical) can be used to record your wave output, MP3 files, or wave files directly to an MD, DAT, or CD Recorder. You can connect SPDIF compatible devices such as an MD, DAT or CD recorder to transfer audio data with minimal signal loss.



Note: MAYA44 MKII doesn't have S/PDIF Coaxial and Optical digital input connectors. However, you can purchase optional MI/ODI/O add-on card shown below.

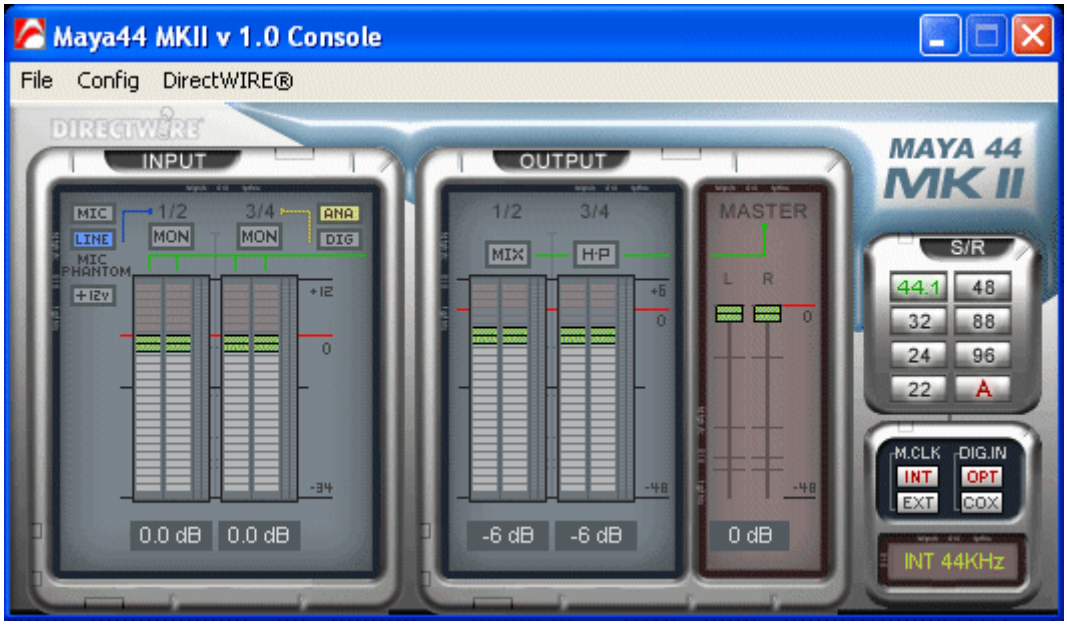
MI/ODI/O (Sold Separately)

1 x Coaxial Digital input/output
1 x Optical Digital input
16 Channel MIDI input/output

5. MAYA44 MKII CONTROLS

The MAYA44 MKII Console is the central point of control for the MAYA44 MKII. The Console is designed so inputs and outputs can be adjusted without going through a series of menus.

After installing the MAYA44 MKII hardware and software driver, the Console icon will appear in the System Tray. Clicking on the Console icon will launch the Console application.



1. CONSOLE MENUS

FILE > EXIT

Closes the MAYA44 MKII Console window but does not shut it down. You can always launch the Console by clicking the Console icon in the System Tray.

CONFIG MENU

- **Mouse Wheel**
  Controls the increment at which the volume is adjusted when using a mouse wheel. The adjustment step is from 1 to 8.

- **Latency**
  Adjust the latency (also often referred as buffer size) of the MAYA44 MKII. A faster latency is achieved by selecting smaller sample size which is ideal for software synthesizer and precise timing recording.

  However, the latency is also limited by your system performance. For recording, select sample size between 64 ~ 512, and select 128 or 256 for Pentium 4 systems.

  Sample sizes of 48, 1024 and 2048 are used in special circumstances where 48 is reserved for very fast and reliable ASIO driver working environment. The factory default setting is 256.

- **Factory Default**
  Resets the Console to the original, default settings.

- **Always On Top**
  Places the Console on top of every open window, making it easy to work with MAYA44 MKII and other music software simultaneously.

- **Gang Mode**
  Locks the locks the left and right fader together.

DIRECTWIRE

(Explained later in detail)

2. INPUT PANEL

- **MIC, LINE 1/2**
  Selecting either line input or microphone input for input 1/2. When selected, lights blue.

- **MIC Phantom +12V**
  By selecting this button, the +12 volt phantom power will be applied to input 1/2 for condenser microphone.
  (**Warning**: *Make sure this button is not lit so the phantom power will not applied to dynamic microphone. Appling the phantom power to dynamic microphone will damage the microphone.)*

- **MON**
  Selecting this button enables monitoring from the selected source.

- **ANA, DIG**
  When optional MI/ODI/O add-on card is connected, you can switch between analog and digital input for input 3/4. Otherwise, it stays on analog.
  (**NOTE:** When monitoring digital input through input 3/4, the digital signal comes through DAC resulting the wave out is not mixed together.)

- **FADER**
  Display and change the input level for each source. The level can be set using the mouse, mouse wheel, or cursor keys. The top level is +12dB(400%) and you have to adjust it accordingly. The suggested reference level is between -3dB and -6dB. Click the dB indicator to mute and un-mute.

3. OUTPUT PANEL

Adjusts and monitors the output levels of each audio channel via level faders and meters. If you click the Headphone icon on the Output 3/4 level fader, the output port 3/4 is switched to a headphone jack. MAYA44 MKII features a high-fidelity headphone amplifier.

- **LINE 1/2 AND 3/4**
  Each represents output port 1/2 and 3/4.

- **MIX**
  By selecting this button, the analog output 1/2 and 3/4 are mixed together and outputs to line output 1/2. Another words, when selected, you can hear mixed output of channel 1/2 and 3/4 through analog output 1/2.

  The MAYA44 MKII uses internal digital mixer on-board. Some recording applications that can only use Windows default mixer may not compatible with MAYA44 MKII.

- **HP**
  Selecting this button enables headphone output on line output 3/4.

- **FADER**
  Display and change the output level for each source. The level can be set using the mouse, mouse wheel, or cursor keys. Click the dB indicator to mute and un-mute the output.

- **MASTER FADER**
  Display and change the level of the final output. The level can be set using the mouse, mouse wheel, or cursor keys. Click the dB indicator to mute and un-mute the output.

4. DIGITAL I/O, CLOCK AND SAMPLE RATE

MAYA44 MKII supports digital in and out. However, MAYA44 MKII card has only Coaxial and Optical digital outputs. For digital input, you need optional 'MI/ODI/O' add-on card sold separately.

- **S/R**
  Selects the sample rate for the MAYA44 MKII. The green lit will indicate current sample rate. The MAYA44 MKII supports 22, 24, 32, 44.1, 48, 88, 96 (kHz) sample rates. Select A (Auto mode) to match the sample rate of the source audio automatically(red light A is on). Deselecting Auto mode allows you to set the sample rate manually(red light A is off).

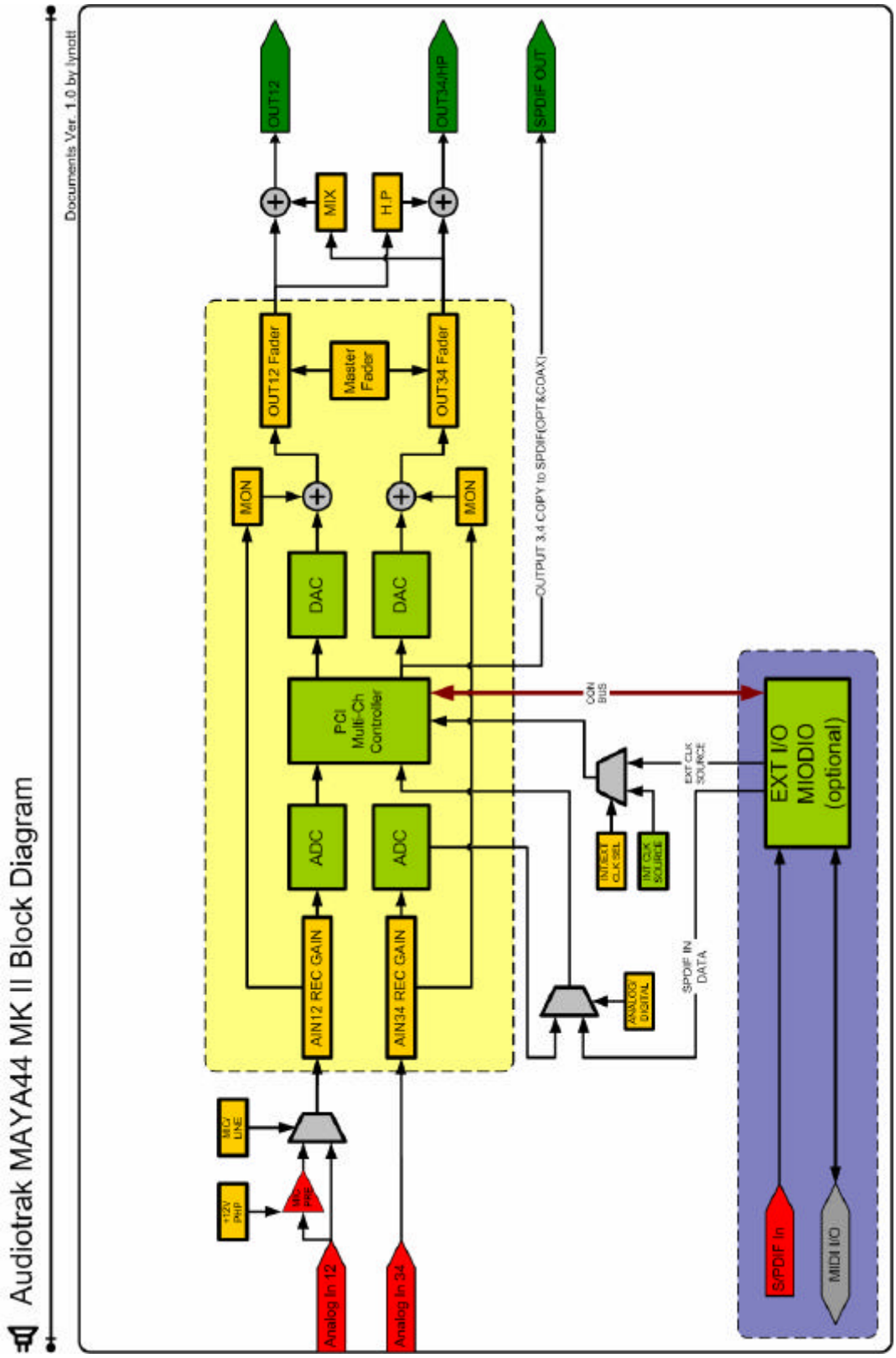
- **M.CLK**
  Selects the digital clock source for the MAYA44 MKII.

  (**INT):** Selects MAYA44 MKII's internal clock, which becomes the master clock. This mode must be selected if only one MAYA44 MKII is used or another device is set as a slave device.
  (**EXT**): Selects the digital clock or audio data from an external device as the clock source. The external device will be set as the Master device and the MAYA44 MKII will be set and operate as the Slave device.

- **DIG.IN**
  (OPT/COX): Switch between the OPT(Optical) and COX(Coaxial) digital input sources for the MAYA44 MKII when MI/ODI/O optional add-in card(sold separately) is attached.

(NOTE: MAYA44 MKII supports CDDA(CD Digital Audio) extraction. Through WDM driver, you can play CD digital audio from your CD-Rom drive when the CD-Rom drive supports CDDA extraction. Please consult your CD-Rom drive manual for detail.)

5. BLOCK DIAGRAM

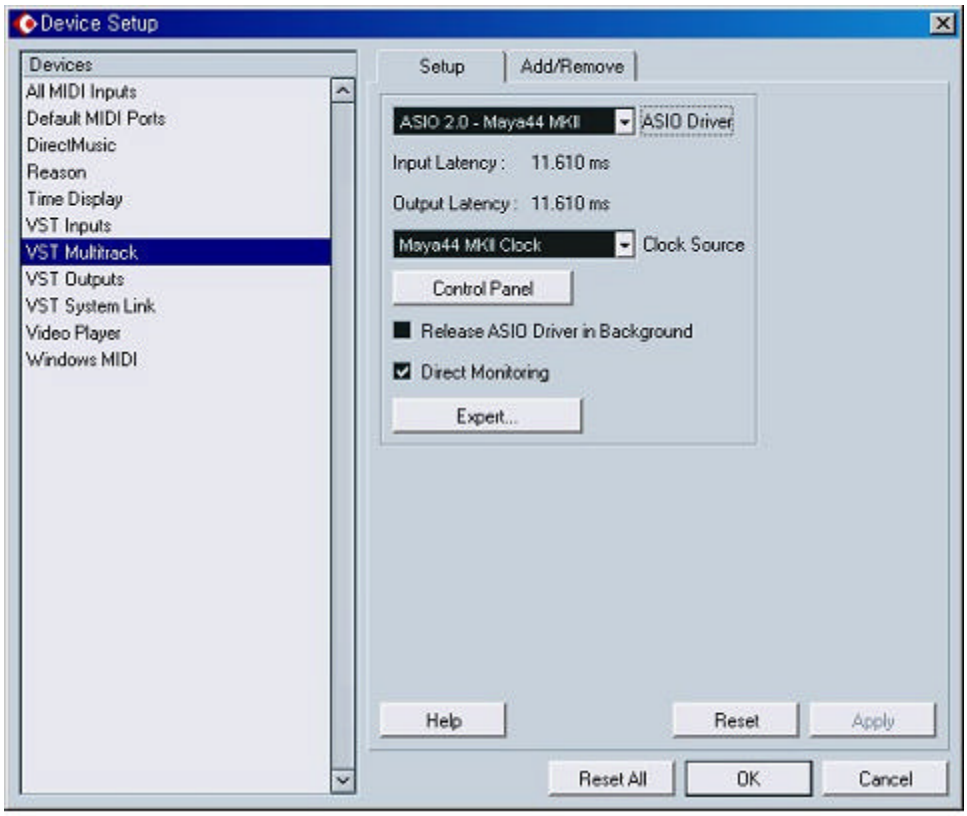


6. WORKING WITH APPLICATIONS

* This chapter contains the basic configuration examples for some popular software applications. Please refer to the specific software's manual for detailed information

1. STENBERG CUBASE SX

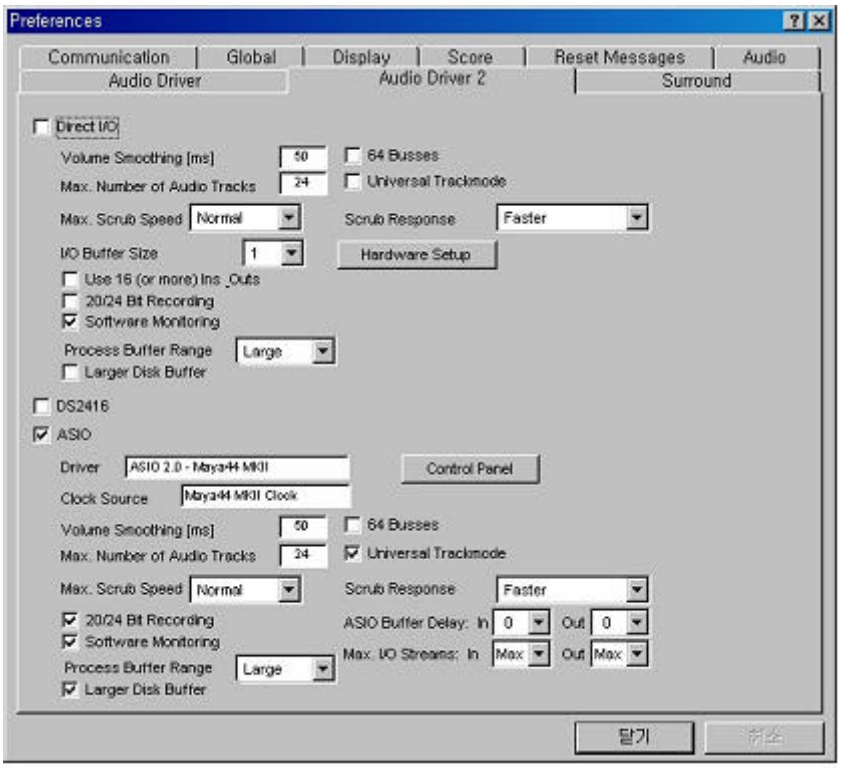
After launching CUBASE SX, go to Device -> Device Setup -> VST Multitrack. Select 'ASIO 2.0 – MAYA44 MKII' for the ASIO device. Clicking ASIO Control Panel will not do anything here. Make sure you click Apply button after changing the settings.



In CUBASE, logical input 0/1 is MAYA44 MKII's input 1/2(also, input 2/3 is 3/4).

2. LOGIC AUDIO

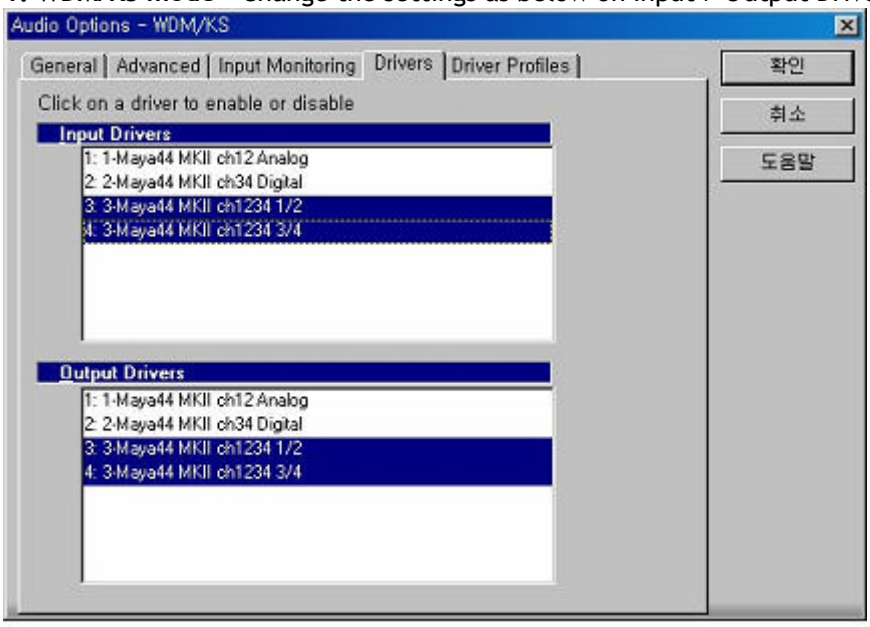
After launching Logic Audio, go to Options -> Preference -> Audio Hardware & Drivers. Click Audio Driver 2 and change the settings as below.



3. CAKEWORK SONAR

There are few steps must be done for the SONAR which may supports either WDM and ASIO. After launching SONAR, go to Options -> Audio….

1. WDM/KS mode - Change the settings as below on Input / Output Drivers settings.

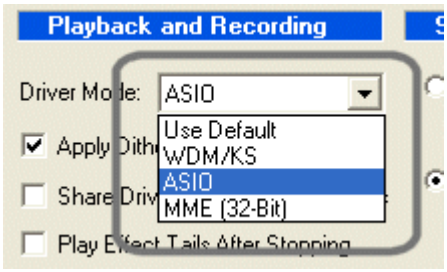


The input and output drivers have to be matched to each other. Restart the SONAR after the settings have changed.

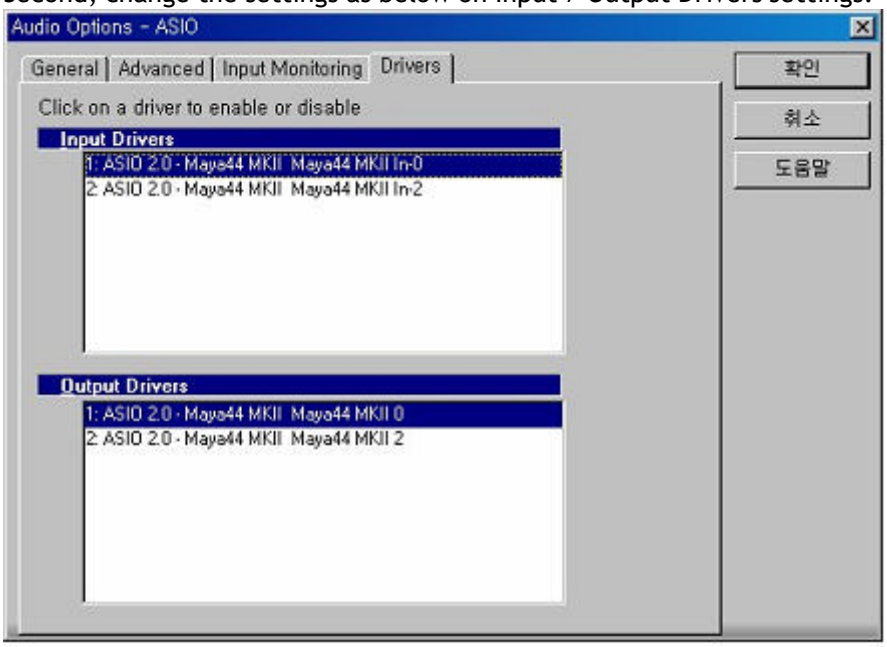
2. ASIO mode

**ASIO mode is supported from SONAR 2.X release on. With MAYA44 MKII, ASIO mode is recommended over WDM mode.*

First, change the Driver Mode to ASIO on the Advanced tab of the Audio Option as below. Then, restart the SONAR.



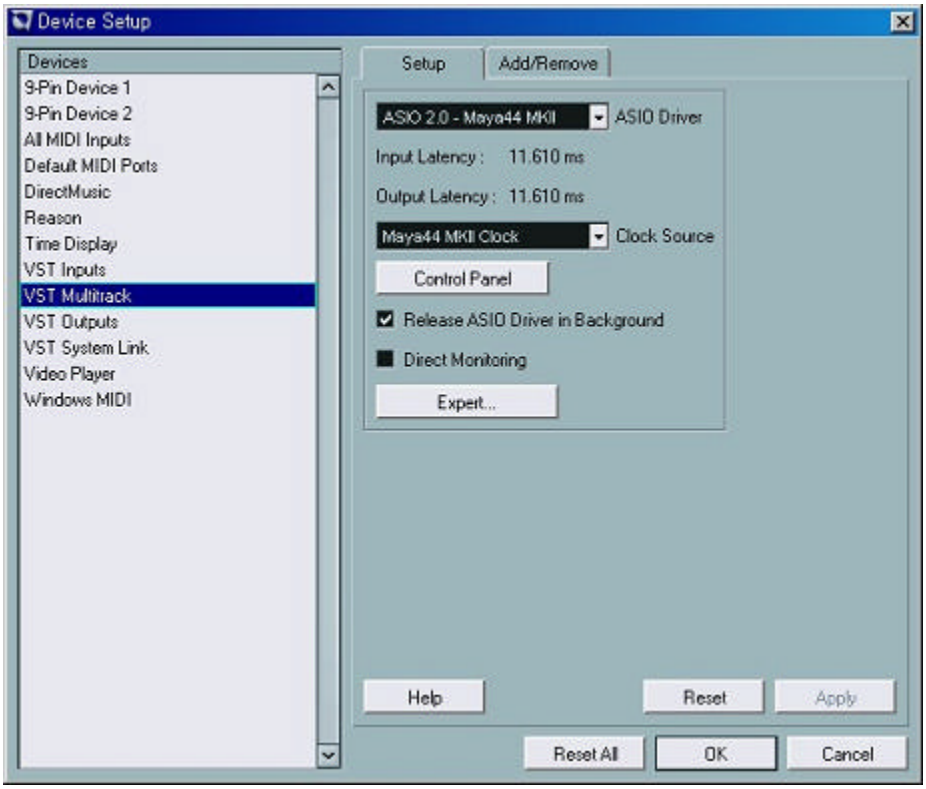
Second, change the settings as below on Input / Output Drivers settings.



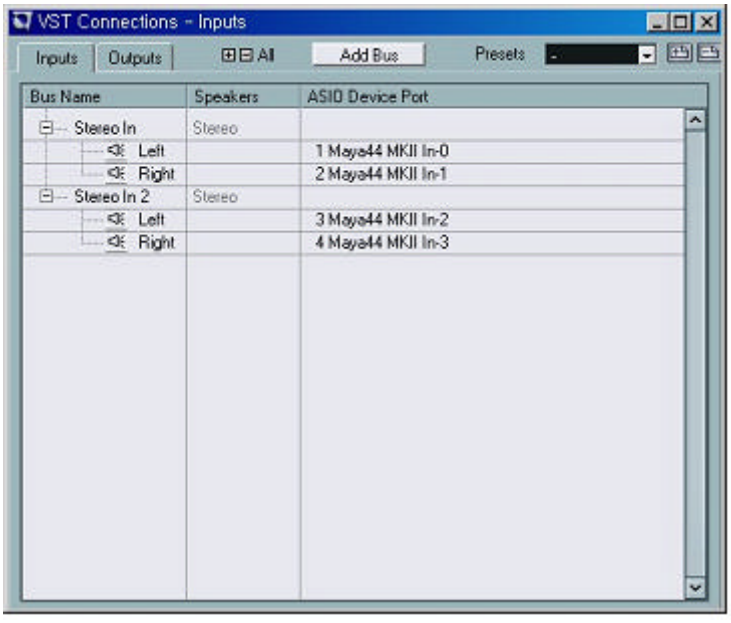
**Warning: Enabling SONAR's software Input monitoring may introduce feedback loops. You MUST disable/mute MAYA44 MKII input monitoring before processing SONAR's software input monitoring.*

4. STEINBERG NUENDO

After launching NUENDO, go to Device -> Device Setup -> VST Multitrack. Select 'ASIO 2.0 – MAYA44 MKII' for the ASIO device. Clicking ASIO Control Panel will not do anything here. Make sure you click Apply button after changing the settings.



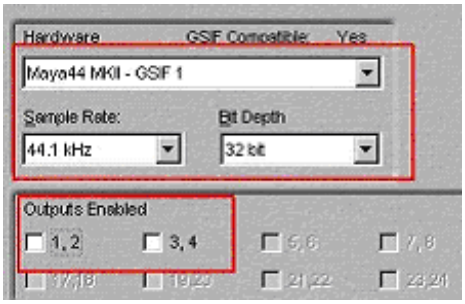
Tip: selecting input 3/4 for NUENDO 2.X or later version.
Go to Device -> Device Setup -> VST Connections menu. Click on Input settings. Click Add Bus and select input ports.
For NUENDO, application's logical input 0/1 is MAYA44 MKII's input 1/2(also, input 2/3 is 3/4).



5. TASCAM GIGASTUDIO

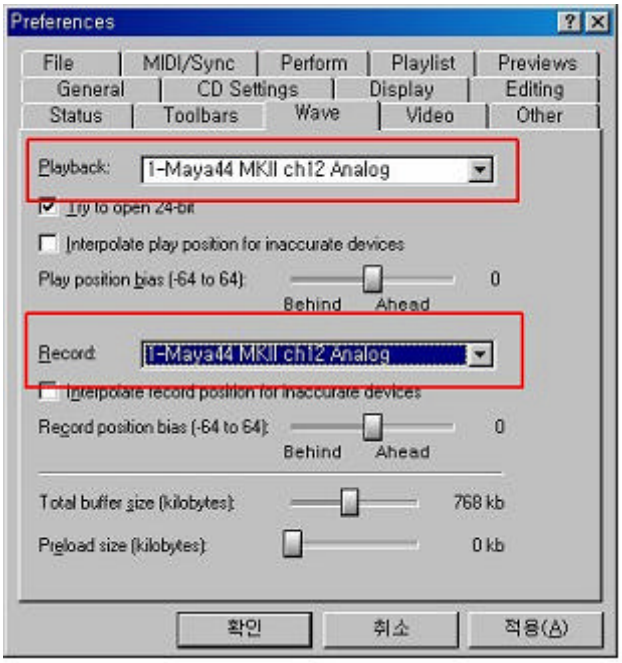
After launching GIGASTUDIO, Select Settings from the left pane.

On the right pane, select 'MAYA44 MKII – GSF 1' for the hardware. Also, match the Sample Rate and Bit Depth according to the Sequencer.



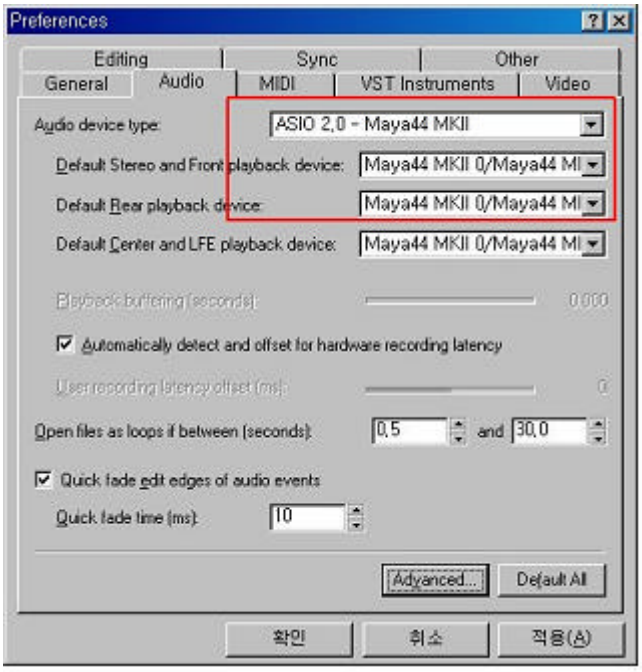
6. SOUND FORGE

After launching Sound Forge, go to Options -> Preference -> Wave tab. Select 'MAYA44 MKII CH12' for the Playback and Record device.



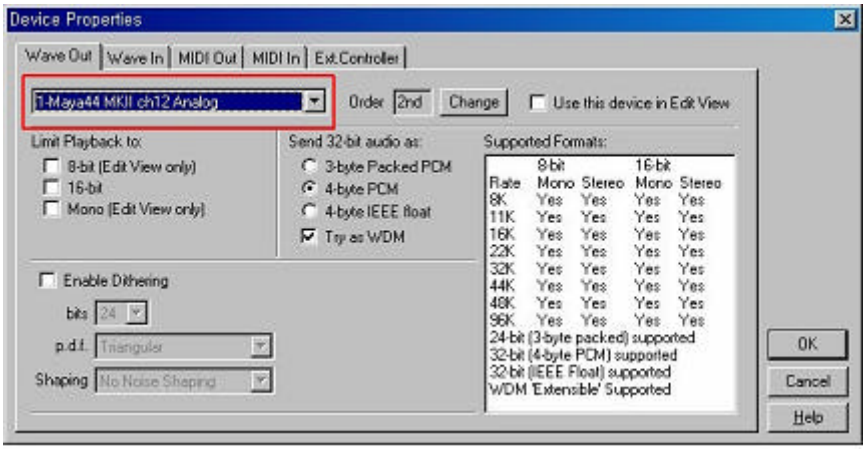
7. VEGAS & VEGAS VIDEO

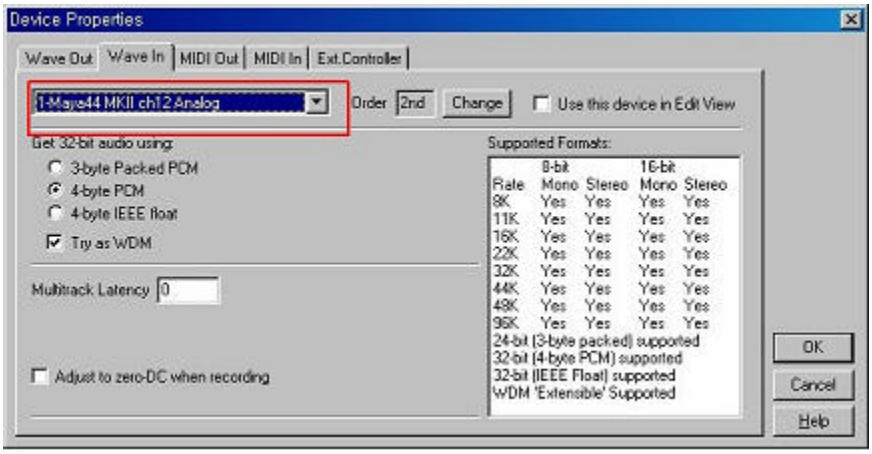
After launching VEGAS, go to Options -> Preference -> Audio tab. Select ‘MAYA44 MKII’ for the Audio device type. Select your desired choice of Default Stereo and Front playback device and Default Real playback device.



8. ACID

After launching ACID, go to Options -> Device Properties. Select ‘MAYA44 MKII ch12 Analog’ for the Wave Out and Wave In pane as below.

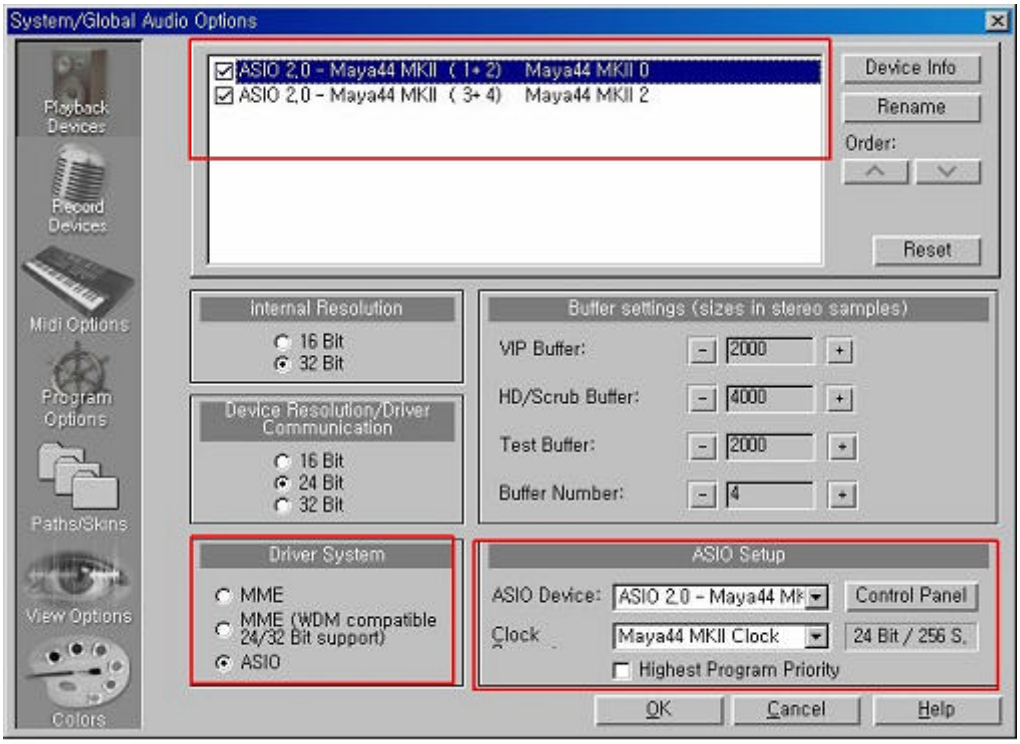




9. SAMPLITUDE

After launching Samplitude, go to Options -> System. Check ASIO in the Driver System section. Select ‘ASIO 2.0 – MAYA44 MKII’ and ‘MAYA44 MKII Clock’ for ASIO Device and Clock on ASIO Setup section.

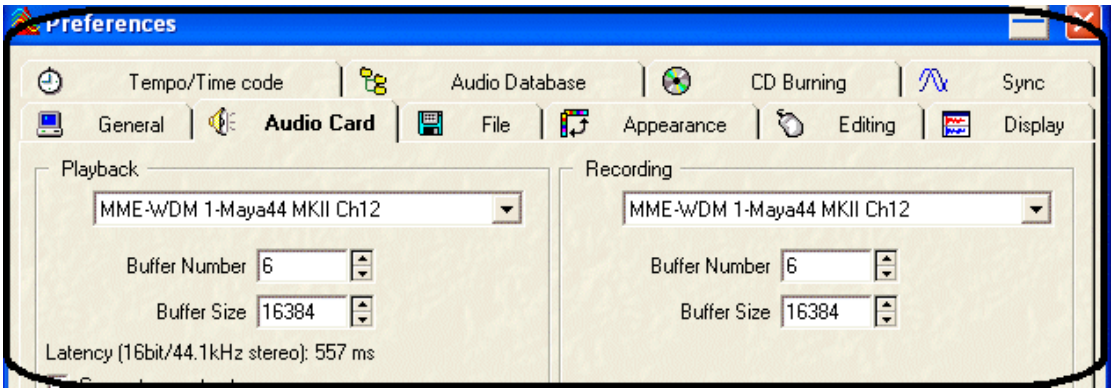
If the settings are correct, you’ll see ‘ASIO 2.0 – Maya44 MKII (1+2) Maya44 MKII 0’ and ‘ASIO 2.0 – Maya44 MKII (3+4) Maya44 MKII 2’ on top as below.



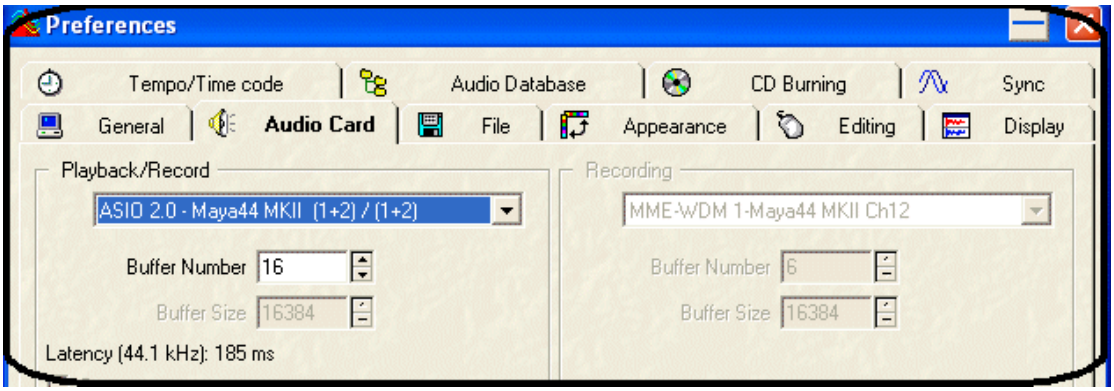
10. WAVE LAB

After launching Wave Lab, go to Options -> Preference -> Audio Card. Select either 'MME-WDM 1-Maya44 MKII Ch12' or 'ASIO 2.0 – Maya44 MKII (1+2)/(1+2)'.

MME



ASIO



7. DIRECT WIRE

1. WHAT IS DIRECTWIRE?

DirectWIRE is a 100% pure digital wire!

DirectWIRE is a driver technology, developed by AUDIOTRAK, which can be used for routing audio streams internally within applications using E-WDM Audio MIDI Drivers exclusively developed by Audiotrak.

With the DirectWIRE router, an application can record from other application's audio outputs without external wiring or any loss of data when they are running at the same time.

DirectWIRE also allows you to easily rip any audio stream in real time by transferring data thru DirectWIRE from MP3s, live On-line Broadcast and On-demand content, and more.

2. DIRECTWIRE PANEL

Click on DirectWIRE on the MAYA44 MKII console. Below DirectWIRE panel window will appear.

- The number on the rows represents input or output port.
- The columns represents ins and outs(on and off) of the respected drivers.
- Patch the virtual cables from one point to another as you drag your mouse point.

MME section represents general application's I/O:
Ex.) WinAmp, WaveLab(non ASIO mode), Cakewalk, Cooledit, Vegas, Samplitude, etc.

WDM section represents Multi-MME application's I/O:
Ex.) SONAR, PowerDVD, WinDVD, etc.

ASIO section represents ASIO application's I/O:
Ex.) Cubase, Logic, Reason, Nuendo, SONAR, Samplitude, etc.

GSIF section represents GSIF application like GigaStudio.

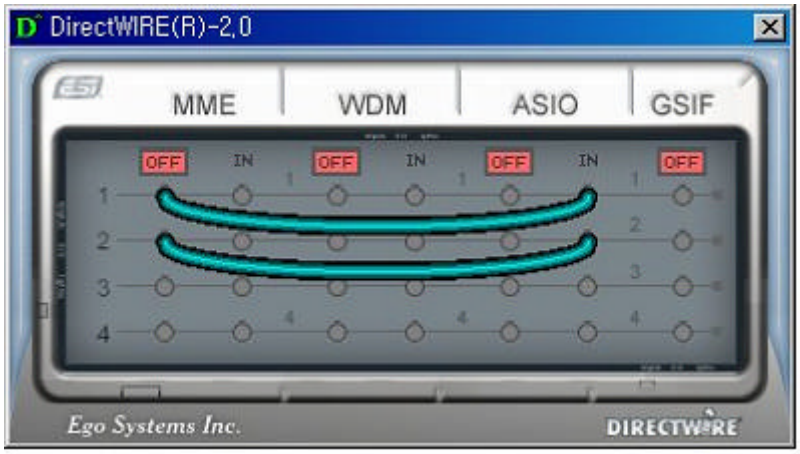
* Some applications support multiple driver modes.

3. DIRECTWIRE EXAMPLES

EX1. Recording from WinAmp(MME) to WaveLab(MME)

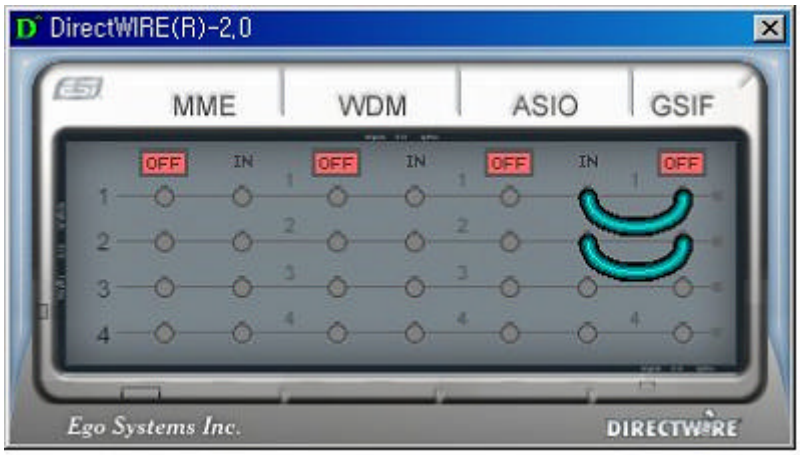
EX2. Recording from WinAmp(MME) to SONAR(WDM)

EX3. Recording from WinAmp(MME) to Cubase, Logic, Nuendo(ASIO)



EX4. Recording from GigaStudio(GSIF) to SONAR(WDM)

EX5. Recording from GigaStudio(GSIF) to Cubase(ASIO)



8. TECHNICAL SPECIFICATION

<Analog Audio>

1. Analog Inputs
1) Connector Type : 4 Channel analog inputs
> 1/4"(55mm) TRS(stereo) jack (line in 1 and 2) common with 'Microphone in'
> 1/4"(55mm) TRS(stereo) jack (line in 3 and 4)
2) Peak level : 0dBFS @ +6dBV
3) Adjustable gain : -35.5dB ~ +12dB(1.5dB step size)
4) Impedance : 10K Ohm, 2K Ohm(when phantom power supply)

2. Analog Outputs
1) Connector Type : 4 Channel analog line outputs
> 1/4"(55mm) TRS(stereo) jack X 2 (line out 1 and 2, 3 and 4)
2) Peak level : +6dBV @ 0dBFS
3) Attenuation : -48dB ~ +6dB(1dB step size)
4) Impedance : 10 Ohm(line out 1 and 2), 0 Ohm(line out 3 and 4, H.P. out)

3. Microphone Preamplifier
1) Peak level : 0dBFS @ 8mV
2) Gain Adjustment : Gain +42dB, -35.5dB ~ +12dB(1.5dB step size)
3) +12V phantom power supply

4. Headphone Amplifier
1) Load Impedance Range : 32-600 ohm (for the best performance)
2) Output Power : 125mW @ 32ohm per channel

<Digital Audio>

5. Sample rates supported : 22, 32, 44.1, 48, 88.2, 96 (KHz)

6. A/D Converter, D/A Converter *
1) A/D Signal to Noise Ratio : 90dB (A-weighted, 0dB gain) @ fs=48kHz
2) D/A Signal to Noise Ratio : 100dB (A-weighted, 0dB gain) @ fs=48kHz
3) A/D GAIN, Programmable Gain : -48dB ~ +6B (1dB Step Size)

7. Digital Out
1) Connector Type : Gold-plated RCA, Optical
2) Format : IEC-0958 Consumer(S/PDIF)
3) Sampling Rate : 22, 32, 44.1, 48, 88.2, 96 (KHz)
4) Resolution : 24-Bit

9. MI/ODI/O (Optional)*
1) 16 Channel MIDI In/Out Interface
2) Coaxial In/Out - IEC-958 Consumer(S/PDIF)
3) Optical In - IEC-958 Consumer(S/PDIF)

(* *Optional MI/ODI/O add-on card sold separately.*)

(*These specifications refer to the technical data of used converters.*)