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Correspondence

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

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

All features and specifications are subject to change without notice.

Table of Contents

 Introducing MAYA44 MKII 4 in 4 out 24bit/96kHz audio interface Features Features E-WDM Driver and DirectWIRE Support Professional Digital Recording - DTMP 	. 1 . 1 . 2 . 2 . 2
 Hardware Installation System Recommendation Preparation for Hardware Installation PCI Card Installation MI/ODI/O add-on card (sold separately) 	.3 .3 .4 .6
 Driver Installation	.7 .7 11
 4. Connecting External Devices	12 12 13
5. MAYA44 MKII Controls 1 1. Console Menus 2 2. INPUT Panel 2 3. OUTPUT Panel 2 4. Digital I/O, Clock and Sample Rate 2 5. Block Diagram 2	17 17 19 20 21 22
6. Working with Applications 2 1. Stenberg CUBASE SX 2 2. Logic Audio 2 3. Cakework SONAR 2 4. Steinberg NUENDO 2 5. Tascam GIGASTUDIO 2 6. Sound Forge 2 7. VEGAS & VEGAS VIDEO 2 8. ACID 2 9. Samplitude 2 10. Wave Lab 2	23 23 24 24 26 27 27 28 28 29 30
7. Direct WIRE. 3 1. What is DirectWIRE? 3 2. DirectWIRE Panel 3 3. DirectWIRE Examples 3	31 31 31 32
8. Technical Specification	34

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.

Please choose your search and installation options. Image: Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed. Image: Search removable media (floppy, CD-ROM) Image: Include this location in the search: D:\driver\MAYA44mkII\Maya44MKII-v100 Image: Don't search. I will choose the driver to install. Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware. Rack Next >	Found New Hardware Wizard
 Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed. Search removable media (floppy, CD-ROM) Include this location in the search: D:\driver\MAYA44mkII\Maya44MKII-v100 Browse Don't search. I will choose the driver to install. Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware. Kencel 	Please choose your search and installation options.
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Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.	O Don't search. I will choose the driver to install.
<pre>< Back Next > Cancel</pre>	Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
	<pre>< Back Next > Cancel</pre>

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.



Found New Hardware Wizard				
Please wait while the wizard installs the software				
Maya44 MKII Controller				
Mam2Pan.exe To C:\WINDOWS\System32				
< Back Next > Cancel				

- 7. The installation will copy the drivers to your computer.
- 8. When the installation is complete, click Finish.

Found New Hardware Wizard				
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: Waya44 MKII Controller			
	< Back Finish Cancel			

- 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.

Sound, video and game controllers
 Audio Codecs
 Legacy Audio Drivers
 Legacy Video Capture Devices
 Maya44 MKII Audio
 Maya44 MKII Controller
 Media Control Devices

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.

Sounds an	nd Audio Devices Properties	
Volume	Sounds Audio Voice Hardware	
- Sound p	playback	
Ø.	Default device:	
	1-Maya44 MKII Ch12 🗸 🗸	
	1-Maya44 MKII Ch12 2-Maya44 MKII Ch34	1
	3-Maya44 MKII Ch1234	
Sound r	recording	
	Default device:	
18	1-Maya44 MKII Ch12 🛛 🗸 🗸	
	Volume Advanced	
-MIDI m	usic playback	51
₽	Default device:	
<u></u>	Microsoft GS Wavetable SW Synth	
	Volume About]
Use o	only default devices	
	OK Cancel Appl	у

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 CDplayer, 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.



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 $64 \sim 512$, 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.

Device Setup	
Devices All MIDI Inputs Default MIDI Ports DirectMusic Reason Time Display VST Inputs VST Inputs VST Outputs VST Outputs VST System Link Video Player Windows MIDI	Setup Add/Remove ASIO 2.0 - Meye44 M41 ASIO Driver Input Latency : 11.610 ms Output Latency : 11.610 ms Maya44 MKI Clock Clock Source Control Panel Release ASIO Driver in Background Direct Monitoring Expert
	Help Reset Apply

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.

ferences	?
Communication Global Audio Driver	Display Score Reset Messages Audio Audio Driver 2 Surround
Direct I/O 50 Values Smoothing [ms] 50 Max. Number of Audio Tracks 24 Max. Scrub Speed Normal I/O Butter Size 1 I/O Butter Size 1	64 Busses Universal Trackmode Scrub Response Hardware Setup
DS2416 ASIO Driver ASIO 2.0 - Maya44 Mill	Control Penel
Clock Source Maya44 MRI Clock Volume Smoothing [ms] 50 Max. Number of Audio Tracks 24 Max. Scrub Speed Normal 💌	G4 Busses

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.

eneral Advanced Input Monitoring Drivers Driver Profiles	확인
lick on a driver to enable or disable	취소
Input Drivers	
1: 1-Maya44 MKII ch12 Analog	도움말
2: 2-Maya44 MKII ch34 Digital	and the second s
3. 3-Maya44 MKII ch1234 1/2	
4: 3-Maya44 MKII ch1234 3/4	
Output Drivers	
Output Drivers 1: 1-Maya44 MKII ch12 Analog	
Output Drivers 1: 1-Maya44 MKII ch12 Analog 2: 2-Maya44 MKII ch34 Digital	
Output Drivers 1: 1-Maya44 MKII ch12 Analog 2: 2-Maya44 MKII ch34 Digital 3: 3-Maya44 MKII ch1234 1/2	
Output Drivers 1: 1-Maya44 MKII ch12 Analog 2: 2-Maya44 MKII ch34 Digital 3: 3-Maya44 MKII ch1234 1/2 4: 3-Maya44 MKII ch1234 3/4	
Dutput Drivers 1: 1-Maya44 MKII ch12 Analog 2: 2-Maya44 MKII ch12 Analog 3: 3-Maya44 MKII ch1234 1/2 4: 3-Maya44 MKII ch1234 3/4	
Dutput Drivers 1: 1-Maya44 MKII ch12 Analog 2: 2-Maya44 MKII ch34 Digital 3: 3-Maya44 MKII ch1234 1/2 4: 3-Maya44 MKII ch1234 3/4	
Dutput Drivers 1: 1-Maya44 MKII ch12 Analog 2: 2-Maya44 MKII ch34 Digtal 3: 3-Maya44 MKII ch1234 1/2 4: 3-Maya44 MKII ch1234 3/4	
Dutput Drivers 1: 1-Maya44 MKII ch12 Anabg 2: 2-Maya44 MKII ch134 Digital 3: 3-Maya44 MKII ch1234 1/2 4: 3-Maya44 MKII ch1234 3/4	

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.

Playback	and Recording	9
Driver Molle:	ASIO 💌	\mathbf{l}
Apply Dith	Use Default WDM/KS	
🔲 Share Driv	ASIO MME (32-Bit)	•
F Play Elfect	Tails After Stopping	

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.

Devices	Setup Add/Remove
9-Pin Device 1 9-Pin Device 2 All MIDI Inputs Default MIDI Ports DirectMusic Reason Time Display VST Inputs VST Inputs VST Outputs VST System Link Video Player Windows MIDI	ASIO 2.0 - Meyve44 MAI ASIO Driver Input Latency: 11.610 ms Output Latency: 11.610 ms Maya44 MKI Clock Clock Cource Control Panel Release ASIO Driver in Background Direct Monitoring Expert
	Help Reset Apply

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).

Inputs Outputs	⊞⊟AI	Add Bus Presets	
Bus Name	Speakers	ASID Device Port	1
- Stereo In	Stereo.		^
≪ Left		1 Maya44 MKII In-0	
St Right		2 Maya44 MKII In-1	
⊡ Stereo In 2	Stereo		
≪ Left		3 Maya44 MKII In-2	
⊴€ Right		4 Maya44 MKII In-3	

5. TASCAM GIGASTUDIO

After launching GIGASTUDIO, Select Settings from the left pane.

WID! Por	it 1		Ö
MIDI Po	#2		
WW Por	nt S		0
MIDI Por	rt 4		ō
DS DS	P Station		2
🛼 se	ettings	.b.	5
/ Die	gnostics		A
e He			5
346			ÿ

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

Hardware	GS	F Concetible:	Yes	
Maya44 MKI -	GSIF 1		-	
Sample Rate:		Bt Depth		
44.1 kHz	•	32 bit	•	
Outputs Enable	ed			
□ 1,2	T 3,4	E 6,6		7,8
1 17,18	19,20	– 21/22	Г	23,24

6. SOUND FORGE

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

eferences				2
File MIDI/Sync General CD Settin Status Toolbars	Perform igs Wave	Play Display Vid	list / leo	Previews Editing Other
Playback: 1-Maya44 MKI	I ch12 Ar	alog	-	
IIty to open ∠4-bit				
Interpolate play position for in	accurate	devices		
Play position <u>b</u> ias (-64 to 64):	Behind	Ahead	- 0	_
Record H-Maya44 MK	ichi2 Ai	alog	· ·	
Regord position bias (-64 to 64):	Behind	Ahead	- 1	D
Total buffer gize (kilobytes):][768 ki	
Preload size (kilobytes):			0 ki	5
	_		10	
확인		취소		적용(A)

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.

eferences				?
Editir General	ig Audio	Sync MIDI	VST Instruments	Other Video
Audio device t	ype:	ASIO 2,0	- Maya44 MKJI	*
Default Ste	reo and Front	alayback device:	Maya44 MKII 0/1	vlaya44 MI.▼
Default <u>R</u> ea	ar playback, de	vice	Maya44 MKII 0/1	Maya44 M 💌
Default <u>C</u> er	iter and LFE pl	ayback device:	Maya44 MKJI 0/1	Maya44 MI
Elephook b	uffering(secon	ds):		0.000
🔽 Automa	tically detect a	nd offset for hard	ware recording latency	y
User report	ing latency off	set (ms)		- 0
Qpen files as lo	oops if between	n (seconds):	0,5 📫 an	d 30, 0
🔽 Quick fade	edit edges of	audio events		
Quick fade	time (ms):	10		
			Adyanced	Default All
	Į.	확인	휘소	적용(<u>A</u>)

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.

1-Maya44 MKJI ch12 Analog	Order 2nd Ch	ange 🔲 🔲 Use this device in Edit View	
imit Playback to:	Send 32-bit audio as:	Supported Formats:	
B-bit (Edit View only) 16-bit Mono (Edit View only)	C 3-byte Packed PDM C 4-byte PDM C 4-byte IEEE float Try as WDM	Sbit 16-bit Rate Mono Stereo Mono Stereo 8K Yes Yes Yes 11K Yes Yes Yes 11K Yes Yes Yes 16K Yes Yes Yes 16K Yes Yes Yes 22K Yes Yes Yes	
Enable Dithering bits 24 v p.d.f. Triangular		32K Yes Yes Yes Yes 44K Yes Yes Yes Yes 46K Yes Yes Yes Yes 96K Yes Yes Yes Yes 24-bit (35) te packed) supported 32-bit (45) te PDM supported	OK.

1Maye44 MKII chi 2 Analog	Change Use this device in Edit View	
Get 32-bit audio using	Supported Formats:	
3-byte Packed PDM 4-byte PDM 4-byte IEEE float Fr Try as WDM	B-bit 16-bit Rate Monio Stereo 8K Yes Yes Yes Yes 11K Yes Yes Yes Yes 16K Yes Yes Yes Yes 22K Yes Yes Yes Yes Yes	
Multirack Latency 0	32K Yes Yes Yes Yes 44K Yes Yes Yes Yes 48K Yes Yes Yes Yes 96K Yes Yes Yes Yes 24 bit 2 but newbard or were here.	
C Adjust to zero-DC when recording	24-bit (3-byte packed) supported 32-bit (4-byte PCM) supported 32-bit (IEEE Float) supported bit (IEEE Float) supported	OK Cancel

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.

System/Global Aud	io Options		×
Playback Demces	ASIO 2,0 - Maya44 MKII (ASIO 2,0 - Maya44 MKII (1+ 2) Maya44 MKII 0 3+ 4) Maya44 MKII 2	Device Info Rename Order:
Pecond Devices Mi di Options	internal Resolution C 16 Bit G 32 Bit	Butter settings (sizes in s VIP Butter:2000	Reset
Options Paths/Skins	Device Resolution/Driver Communication © 16 Bit © 24 Bit © 32 Bit Driver System	Horscrau Buller. - 14000 Test Buffer: - 2000 Buffer Number: - 14	
View Options Colors	 MME MME (WDM compatible 24/32 Bit support) 	ASIO Device: ASIO 2.0 - Maya44 Clock Maya44 MKII Clock Highest Program	Mk Control Panel 24 Bit / 256 S. Priority ancel Help

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

2 Preferences		
🕘 Tempo/Time code 🗞 Audio Data	base 🛛 🛞 CD Burning 🗍 🛝 Syn	c]
📃 General 🍕 Audio Card 📳 File	📅 Appearance 🛛 🖏 Editing 🗎 🧱 Disp	olay]
Playback MME-WDM 1-Maya44 MKII Ch12 Buffer Number 6 Buffer Size 16384	Recording MME-WDM 1-Maya44 MKII Ch12 Buffer Number 6 Buffer Size 16384	•

ASIO

Preferences		
🕘 Tempo/Time code 😪 Audio Datat	base 🛛 🚱 CD Burning 🗍 🛝	Sync]
📃 General 🍕 Audio Card 📰 File	🗊 Appearance 🛛 🏷 Editing 🗎 🧱	Display
Playback/Record	Recording	
ASIO 2.0 - Maya44 MKII (1+2) / (1+2) 📃 💌	MME-WDM 1-Maya44 MKII Ch12	-
Buffer Number 16	Buffer Number 6	
Buffer Size 16384	Buffer Size 16384	
Latency (44.1 kHz): 185 ms		

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 1/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)

50	MN	ΛE	1	NDM		ASIO	GSIF
	OFF	IN	OF	IN IN	OF	F IN	OFF
1-	0	0	- ŏ	2	0	<u> </u>	- 0
2 -	0	0	0	-	- 0	$\rightarrow \circ$	-0
3-	-0-	0	0	0	3 0) o	3 0
4	-0-	0	4 0	0	4 0)	4 0
. 4	0	.0.					

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)

- 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

Peak level	: 0dBFS @ 8m\	v

- 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.)