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FCC STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, Human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

Introduction

Thank you for selecting Questyle Audio T2 Transmitter of 5GHz Hi-end Wireless Audio System.

The worldwide first Hi-end 5G wireless audio system was born in Questyle Audio. It provides Hi-end sound performance with easiest wireless operation. The system is made up of wireless Transmitter and Wireless Receiver (built-in DAC and Amplifier).

The current 2.4GHz wireless HiFi system set people free from the hateful cable decoration , brings an innovation on audio field. But the shortage is that it's always be interferenced, interrupted or delayed. Questyle 5GHz Wireless Series transmit signal in 5.8GHz frequency, totally get rid of the 2.4GHz frequency interference, achieve more stable transmission.

T2 Transmitter support digital input with USB, Coaxial and optical. It can also receive analogue signal through RCA input, with built-in ADC to convert to digital signal for transmission. It's easy operate, can work automatically after power on. It can wireless transmit signal in 24bit/48KHz, with the FIFO and digital PLL technology, reduce Jitter to undetectable level.

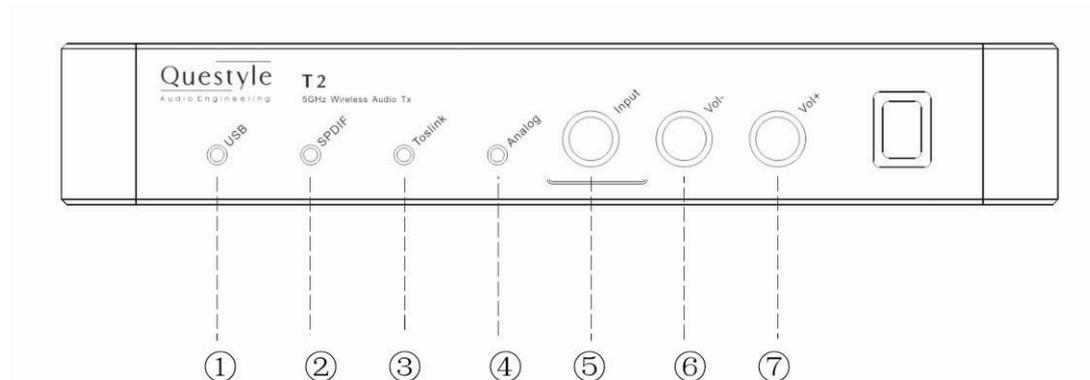
Check List

T2 Transmitter 1pc
Remote Control 1pc
AC Adopter 1pc
CD-Rom 1pc
User Manual 1pc
Warranty Card 1pc

Specification

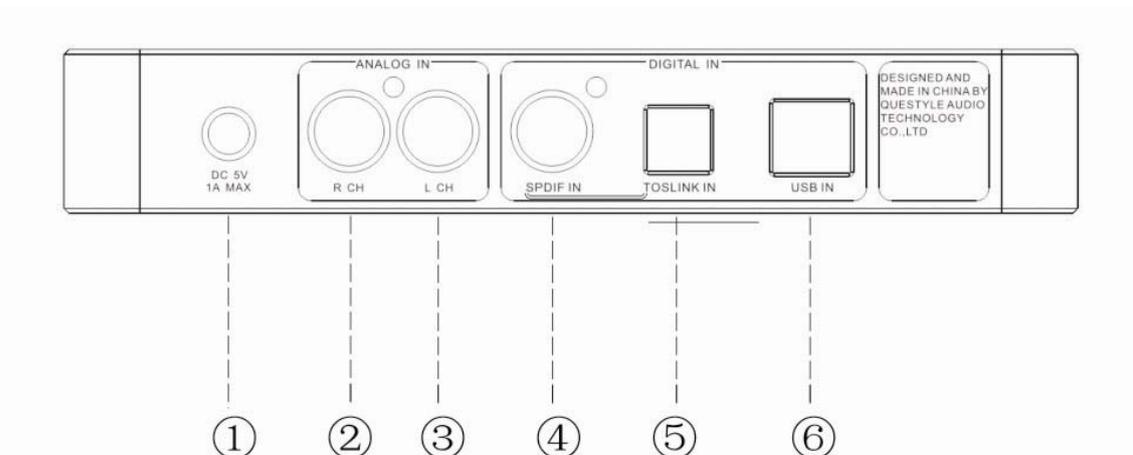
Digital Input	Optical, Coaxial, PCM 44.1K-192K/16-24bit
USB input	USB type B,3X Clock USB Asynchronous transmission, support Win and Mac OS
Analogue Input	RCA, max 2Vrms
Power Cord	DC 5V 6.5mm, Max Current 1A
Volume	Electric volume, 0.5dB stepping, PW cut memory
Input Switch	Switch button,PW cut memory
Transmitting Frequency	5.8GHz switchable
Bit depth	24 bit without compression
Max delay	10mS
Max support Receivers	8 pcs
Dimension	160*120*25MM

Front View



- 1) USB input indicator
- 2) SPDIF input indicator
- 3) Toslink input indicator
- 4) Analog input indicator
- 5) Input select button
- 6) Volume down
- 7) Volume up

Rear View



- 1) DC power input
- 2) Right channel Analog input
- 3) Left channel Analog input
- 4) SPDIF input
- 5) TOSLINK input
- 6) USB input, type B

Remote Control



Quick setup

1. Power on T2 Transmitter and R100/R200 Wireless Amplifier

- 1) T2: Use its adapter to link its DC port with AV power supply.
- 2) R100/R200: Plug its power cord, and turn on the switch.
- 3) Pair T2 with R100 or R200.

2. Pairing T2 Transmitter with R100/R200 Wireless Amplifier

- 1) T2: Long press the "INPUT" button (on front panel) for over 3 seconds, until 4 LED indicators starts flashing (flash lasts for 60 seconds). It means T2 is ready for pairing. Then release the "INPUT" button.
- 2) R100/R200: There is a "PAIRING" button at R100/R200 bottom chassis. When T2 is ready for pairing, pin the "PAIRING" button until its front panel LED indicator stop flashing. If it keeps flashing, it means not successfully paired, please pin the button again.
- 3) When T2 is in "Pairing" status, user can continuously pair it with more Receivers.
- 4) A T2 Transmitter max pair 8pcs Receivers (R100 /R200 can be mixed, total 8pcs).
- 5) After pairing, T2 is ready to be linked to audio source.

3. T2 setup

- 1) T2 can be linked to PC by USB input, CD/DVD player by SPDIF or TOSLINK, Analog signal by Analog input.
- 2) Press the front panel "INPUT" button, to select "USB", "TOSLINK", "SPDIF", "ANALOG" according to the real input mode.
- 3) Then the whole system is successfully setup.

CAS system

(If you don't use the USB input function of T2, you won't need the following settings)

1) Operation System

T2 Driver and hardware system support Win XP, Vista, Win 7 of 32Bit/64Bit, Win 8 of 32Bit/64Bit operating systems. For Apple Mac OS, later versions than the 10.5.7 are well matched, doesn't need to install driver.

2) Player

T2 is not limited to any special media player, any PC compatible player is well matched. In Windows system, we recommend JRiver Media Center for good sound performance.

3) Music Format

Music format is up to the media player. T2 doesn't require any special music format, it can decode any music format as long as the media player support it. For example, JRiver Media Player can wonderfully play formats like APE, FLAC, WAV, AIFF and MP3, etc.

4) The dedicated driver of T2

T2 can support Microsoft operating systems of Win XP, Vista, Win7 32bit/64bit, Win8 32bit/64bit. At present, all the operating systems of Microsoft neither support the audio driver of 480Mbps USB2.0, nor support the output of 24Bit/192K USB audio data. The commonly used Microsoft driver of USB audio device is sort of USB 2.0 full-speed, whose maximum transmission rate is 12Mbps, it supports at most 24Bit/96K audio data. Some USB audio DAC can support playing the music of 192K sample rate, but it processes 192K audio data just under the condition of installing a universal driver called "Thesycon" and with many complex settings, which is unavoidable to meet problems of compatibility and stability, and can't ensure the best performance of the whole system. However, with the different hardware system, the dedicated driver of T2 can avoid those problems fundamentally.

5) PC Configuration Requirements

Operating system of Win XP (SP2 or SP3), Vista, Win7 32bit/ 64bit, Win 8 32bit/64bit or later versions of the 10.5.7 Mac operating system. At least one USB port is required.

An acceptable USB2.0 high-speed cable of type A plug to type B plug. User is suggested to take high-quality USB cable for stable data transmission and guarantee the best performance,.

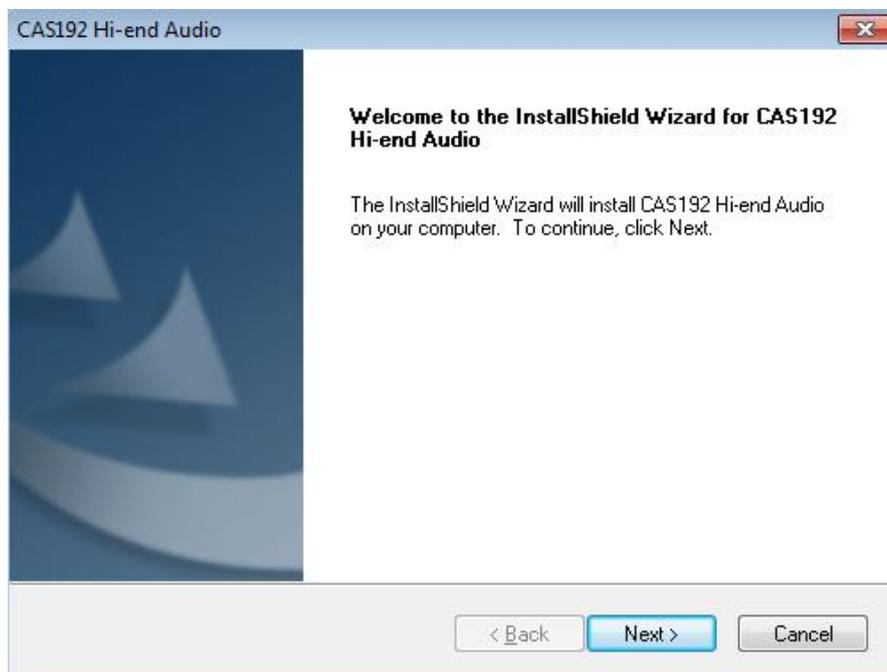
6) Other Requirement

Communication between T2 and PC is real-time and it has some requirements for PC hardware and software platforms. If the platform is bad or the PC is very busy, it will cause T2 to work unstably as well as some other abnormal statuses. In such cases, try to run the dpclat.exe(http://www.thesycon.de/deu/latency_check.shtml) to check whether the Ethernet, Wireless LAN or other equipments have affected the working of T2.

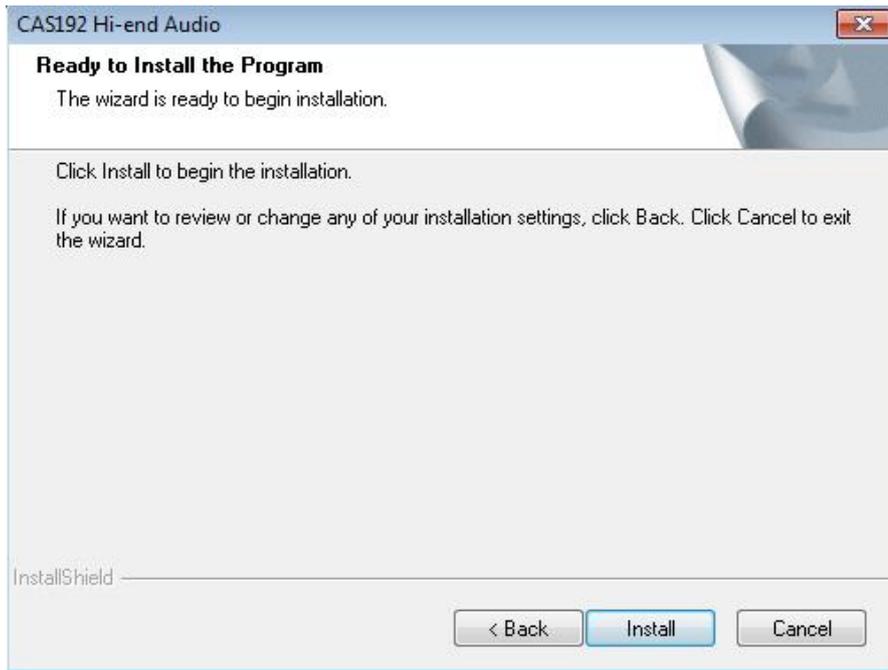
Install the Dedicated Driver on PC

After being installed the driver, PC will recognize T2 . Here we take Win7 32 bit operation system as an example to tell the installation procedure.

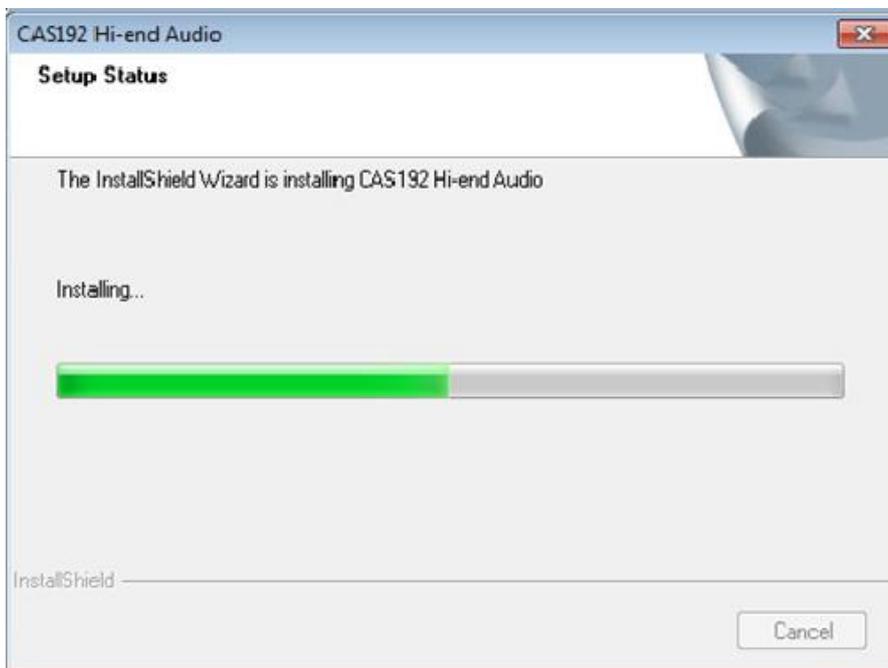
- 1) Power on T2
- 2) Plug the USB cable to connect PC with T2.
- 3) Open the folder in the included CD and click "  Setup.exe " to access to installation interface
- 4) Here are tips on the installation:

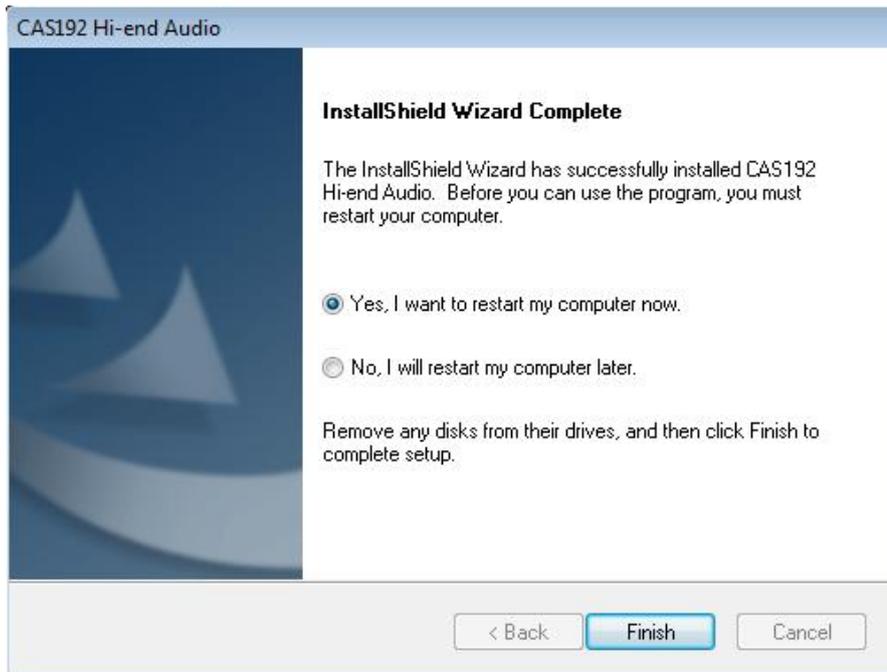


Click "Next"



Click "Install"





5) Click "Finish" and restart the PC. By now, the T2 finishes installation.

6) Installation on Win XP or Vista OS is the same.

Note: T2 will automatically remember the connected USB port, in next time onward please connect the same USB port.

Core Audio Stream Introduction

Core Audio Stream is generally used by the HiFi audio workstations. It has formats of ASIO, KS and WASAPI, which all can be supported perfectly by T2.

According to general audio processing procedures of PC, all the sound from applications and systems is processed by SRC, going through the lengthy system processing and hardware layer transmission, and then output to the external device. The output data are totally different after all those procedures. To output the pure, original and "bit-perfect" data, we must open a high-speed and dedicated channel for audio device, that is the core audio stream technology.

T2 supports ASIO and KS on Win 7, Win8, Vista, Win XP systems, supports WASAPI audio output on Win7 32Bit/64Bit, Win8 32Bit/64Bit operating system. For example, when you enable WASAPI + Exclusive Mode between T2 and player software (like JRiver), you can't control the volume through system controller, the sound from the system and other applications will not be heard at the T2 output, which is because the system has opened the core audio stream channel for T2 and the audio data directly get to the DAC of T2 with high-speed.

If you don't set the output to be the core audio stream, you will find the sample rate shown on T2 is different from that of playing the original music, and it is locked at 48K or 44.1K. When you finish the following settings, you will find that the shown sample rate is the same as that of playing the original music, which is telling that PC can output the "bit-perfect" data now.

JRiver setup

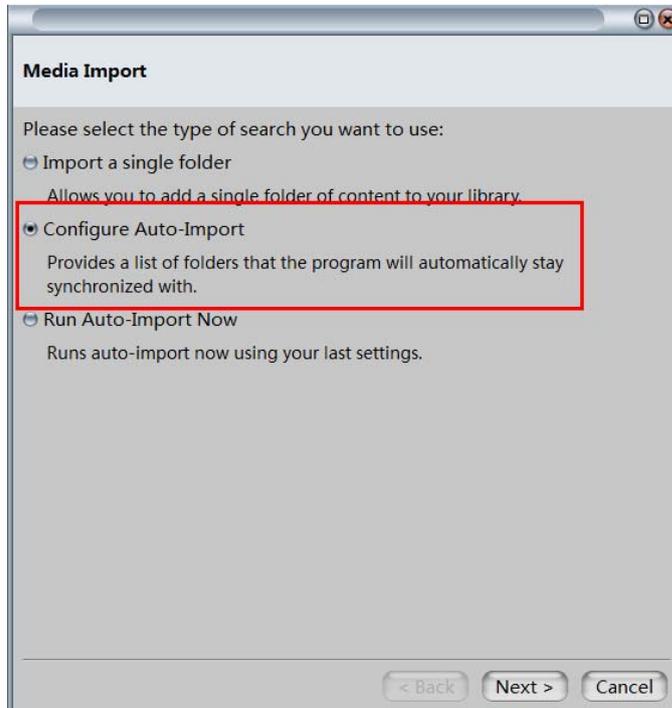
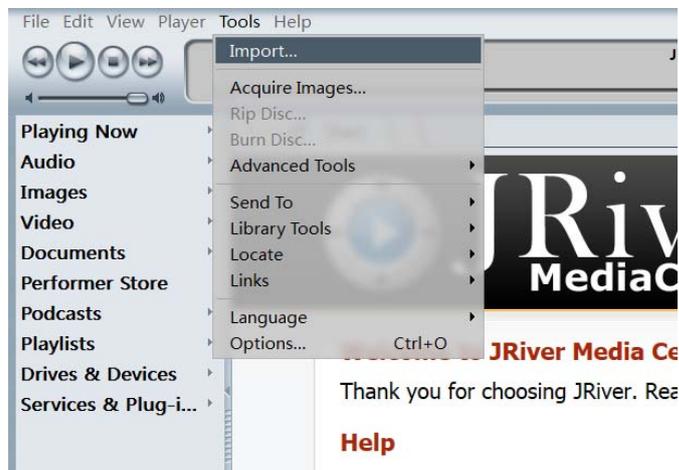
Let's take Win 7 32bit operating system as example, to see how to setup JRiver Media Center.

1. Download and install

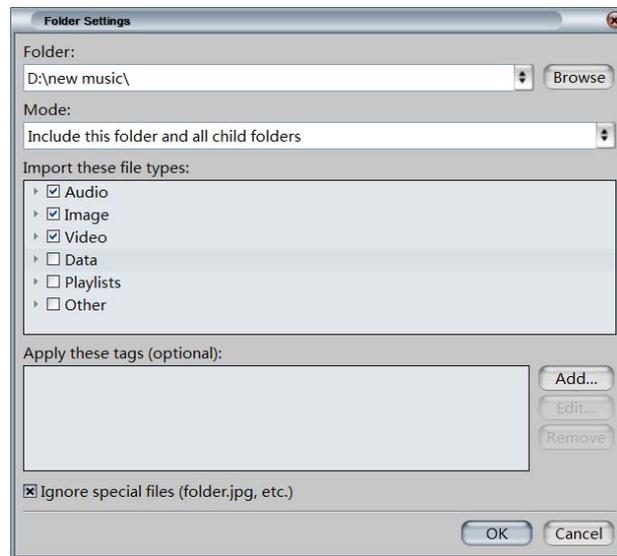
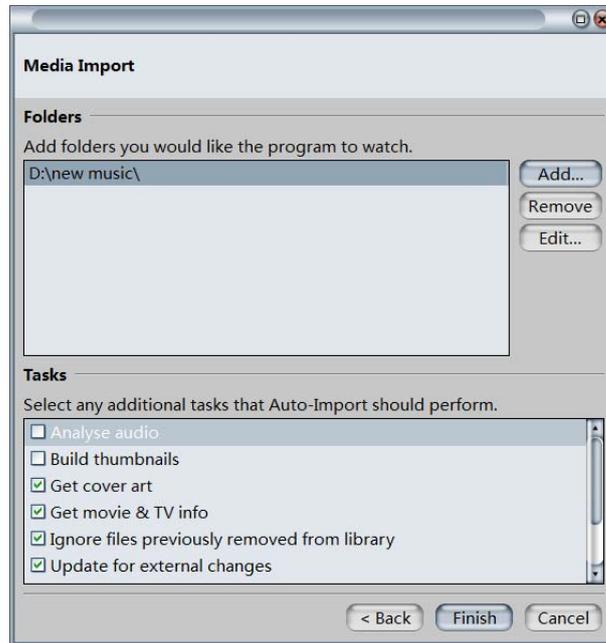
- 1) Click the website <http://www.jriver.com/download.html> , click "Windows Download" to download the JRiver Media Center 19.
- 2) Install JRiver Media Center 19.

2. Import music

- 1) Open JRiver Media Center, find the "import..." item from "Tool" option, click it, choose "Configure Auto-Import". Then click "Next" .

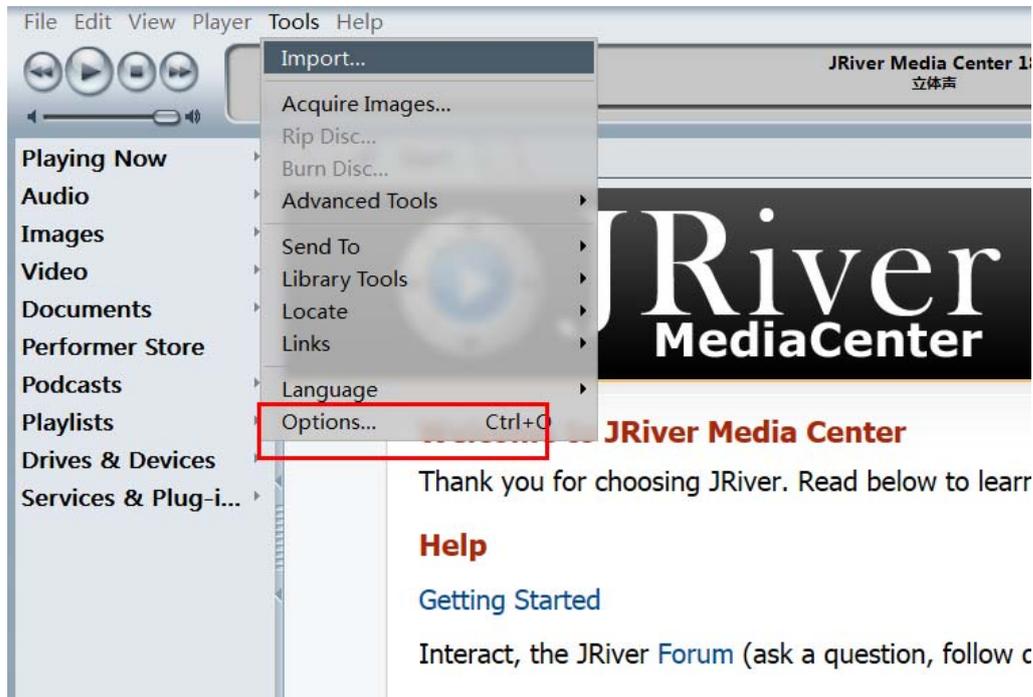


2) Click “Add...”, then next screen click “Browse”, find the file where the music stays, then click “OK” to complete it.

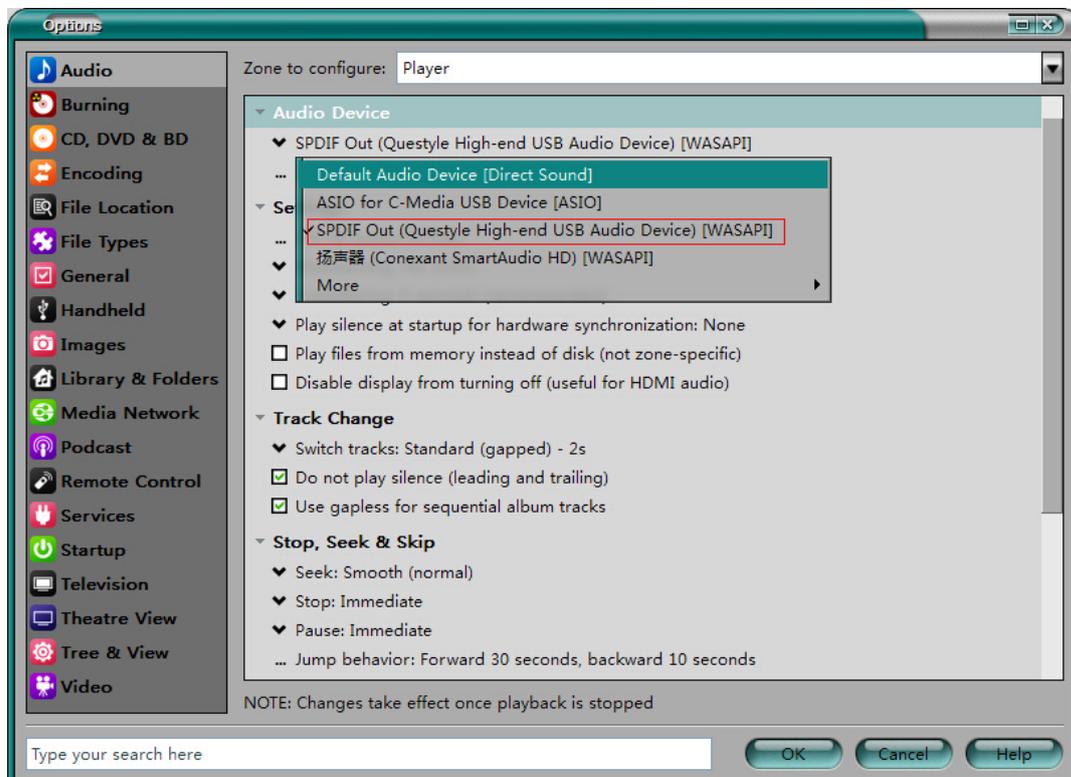


3. JRiver output setup

1) In “Tool” option there is a “Option” menu, click it to entry sub menu.



2) In “Audio” menu, find the “Audio output”, choose “SPDIF Out (Questyle High-end USB Audio Device) [WASAPI]”, then click “OK”.



3) With above setting, now CAS192D can play the music files from your Windows PC (exclude DSD files);

Setting On MAC OS

For Apple MAC OS, later versions of the 10.5.7 contain the USB2.0 High-speed audio driver, so it doesn't need to install another one any more. On MAC OS, all of the features including the standard asynchronous transfer mode of T2 won't change.

After connecting T2 to PC with USB cable, you need to manually set the output device to be "SPDIF Output", and then the whole system can work. As shown below:

