TAKSTAR® 得胜

科声 系列 T&S SERIES

MX630

网络直播专业声卡

USB Audio Interface

使用手册 User Manual

Preface……26
Brief introduction……26
Features……26
Product content……27
System compatibility……27
Application……27
Specification……28
Function instruction……30
Front panel ……30
Master panel……32
Rear panel ……34
Connection diagram……36
Driver download and installation……37
Driver panel ……37
A. Driver icon……37
B. Sound card setting……37
Playing setting instruction……40
Supporting multiple APPs……42
System audio setting……42
System audio source……42
Accompaniment source……42
ASIO input sound source 5 / 6……42
Recording application……45
Webcast application……47
iOS compatible mode……47
Trouble shooting……48
Safety instruction……49
The meaning of Icon……50
About the user manual……52

■ Preface

Dear customer,

Thank you for purchasing Takstar USB Audio Interface MX630. Please read user manual carefully before operation and keep it for reference in future.

■ Brief introduction

MX630 is a 4 in 4 out USB Audio Interface tailored for PC/smart phone application. It features ASIO2.0 driver, ultra-low delay, supporting 24bit/96KHz accurate sample rate, compatible with Windows XP/Vista/7/8/10 system, downloading various pro software for webcast/network/pro recording, etc.

■ Features

- Tailored for network Karaoke, entertainment webcast, influencer marketing or pro recording, compatible with Windows7/8/10 system .
- The driver has passed the "WHQL Microsoft Certification" to ensure the stability and compatibility between the sound card and the Microsoft system.
- USB 2.0 data transmission, high speed, ultra-low delay.
- Supporting 24bit/96KHz accurate sampling, clearer recording and playing.
- ASIO 2.0 driver standard, compatible with two or more VSTs for webcast or pro recording.
- Powerful recording and playing function, connecting microphone for webcast, multiple person chatting fluently during webcast.
- Supporting MME/WDM/DirectSound, easy audio signal transmission from sound card to PC.
- Volume adjustment of mic/headset/speaker out/cell phone recording.
- Combo mic/instrument input connectors to link with mic/instrument.
- One 3.5mm cell phone connector for webcast on PC/cell phone simultaneously.
- Two L/R CH 6.3mm TRS bal output connector to link with active speaker cabinet.

■ Product content

Mx630 audio interface·····1PC
Audio cable（Φ3mm*1.2m）·····2PCS
Type-C data cable（Φ4mm*1.5m）·····1PC
Power adapter·····1PC
3.5mm to 6.3mm adapter·····2PCS
User manual·····1PC

■ System compatibility

SB interface compatible with Windows XP/Vista/7/8/10
Φ3.5mm connector compatible with iOS/Android
PC minimum requirement:：AMD/intel CPU 2 core 2GHZ or more advanced 4G

■ Application

Entertainment webcast, influencer marketing, network Karaoke and pro recording

■ Specification

Mic/line in 1-2

Frequency Response：20Hz-20KHz（±1dB）
Dynamic Range：80dB（A- weighted)
S/N Ratio：75dB（A- weighted)
THD + N：<0.025%(-72dB)
Intermodulation Distortion：-77dB@1KHz
Input Impedance：inst in，6.8KΩ，typical
Mic in：6.8KΩ，
Adjustable Gain：>50dB
Gain Range：+54dB

Line/accompaniment in 3-4

Frequency Response：20Hz-20KHz(±1dB)
S/N Ratio：100dB（A- weighted)
THD + N：<0.0031%(-90dB)
Dynamic Range：97dB（A- weighted)
Max Input Level：+0dB gain：0dB

Headset out 1-2

Frequency Response：20Hz-20KHz(±1dB)
Dynamic Range：99dB（A- weighted)
S/N Ratio：103dB（A- weighted)
THD + N：<0.0056%(-85 dB)
Intermodulation Distortion：-75dB @ 1KHz
Power：90mW/100Ω
Output Impedance：75Ω
Load Impedance：32-600Ω

Lin out L/R

Frequency Response：20Hz-20KHz(±1dB)
Dynamic Range：98dB（A- weighted)
S/N Ratio：102dB（A- weighted)
THD + N：<0.0125%(-78 dB)
Intermodulation Distortion：-65dB @ 1KHz
Output Impedance：75Ω
Load Impedance：32-600Ω
Max Output Level：+1.2 dBV

Specification

Data Transmission：USB2.0
Sample Rate：44.1-96KHz/24bit
Power Supply：DC 12V⎓1A（external power supply）
Operation Temperature Range：0-40°C
Dimension：140*140*33.5mm(L*W*H)
Net Weight：approximate 465g

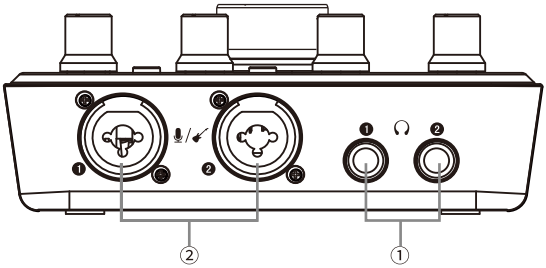
Connector Specification

Cell Phone Connector：Φ3.5mm
Accompaniment Connector：Φ3.5mm
Mic Connector 1：XLR+Φ6.35mm
Mic Connector 2：XLR+Φ6.35mm
Headset Connector 1：Φ6.35mm
Headset Connector 2：Φ6.35mm
Speaker Connector：Φ6.35mm(L+R)
Power Supply Connector：DC 12V⎓1A
Data Connector：USB 2.0

Note: the above data is obtained from the test of Takstar laboratory, and Takstar has the final interpretation right!

■ Function instruction

Front panel



① Stereo Φ6.35mm headset connector ① / ② :

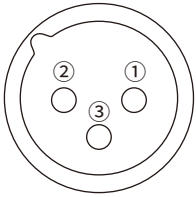
Used to connect with headset to output to headset, matching with (Φ6.35mm) or (Φ3.5mm） headset.

② Mic/instrument connector ① / ② :

Used to connect with mic or guitar or piano, etc. It can connect with XLR connector or Φ6.35mm (bal/unbal) to connect mic/guitar or other signal source with one of the input connectors.

There are three types of input connector linkings: bal XLR, bal TRS, unbal TS. Bal signal provides better noise rejection and is the best choice. Especially, the cable is longer than 6m.When the connected equipment needs 48V phantom power, please use bal XLR.

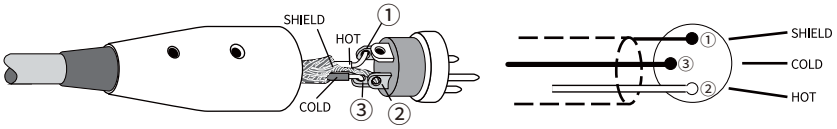
According to the standard, the wiring is as below, designated by AES:



Polarrity: ① ground , ② hot(+) , ③ cold (–)

Bal XLR

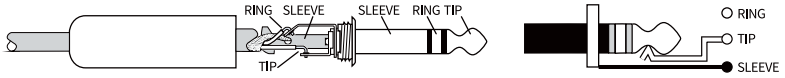
①Shield（ground）pin , ② hot（+）pin, ③ cold（–）pin



Bal XLR

Bal TRS（Φ6.35mm）

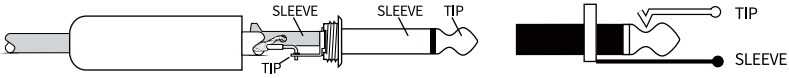
Hot（+）tip, Ring, Shield（ground）Sleeve



Bal TRS connector

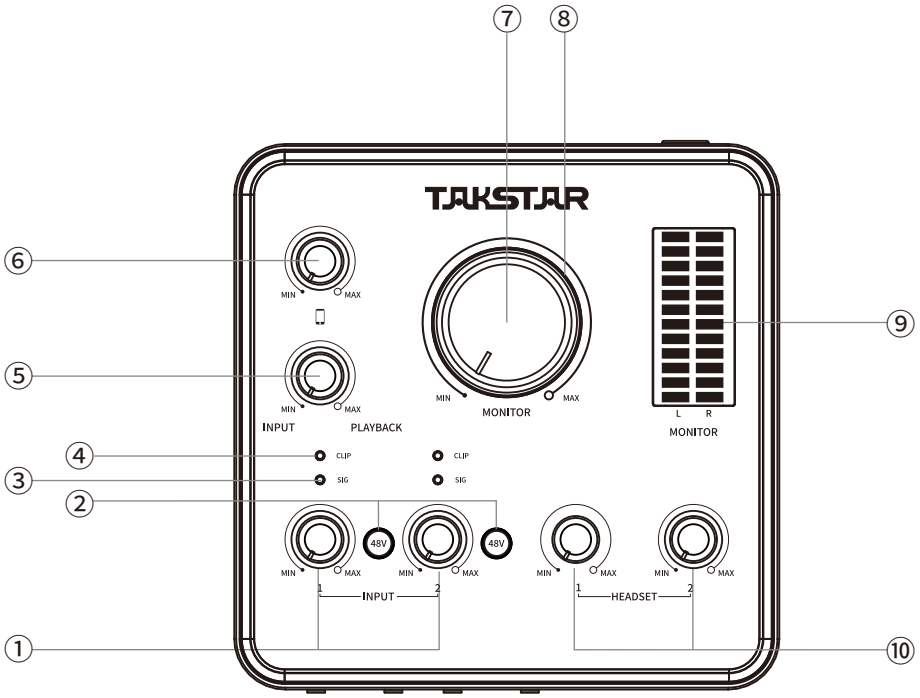
Unbal TS（Φ6.35mm）

Hot（+）Tip , Shield sleeve



Unbal TS connector

Master panel



① INPUT 1 / 2 knob：

Adjusting the signal level of input connector 1 / 2 . Turn it counterclockwise to decrease the input signal level and vice versa.

② 48V phantom power switch【1】/【2】：

Press it to turn on 48V phantom power. When it is turned on, The button LED lights up blue. When it is turned off, the LED lights off. If the phantom power will not be used, turn off the phantom power. When the phantom power is turned on,do not connect or disconnect any equipment. Set the volume to minimum when turning on/off the switch to prevent from noise or equipment damage.

③ SIG LED：

Used to indicate SIG connector 【1】/【2】 input signal. When it detects there is signal input, the green LED lights up. When no, SIG LED lights off.

④ CLIP LED：

Used to indicate MIC connector 【1】/【2】 input signal clip. When it detects there is signal input clip, the LED lights up red. When no, CLIPLED lights off.

⑤ Software/hardware monitor knob:

Adjusting the mixing of sound from software and hardware. Mixing vocal and accompaniment freely.

This knob only affects the monitoring headset sound, but not the recording sound.

（1）Turn it counterclockwise to increase hardware sound and decrease the software sound. Set it to INUPT position to directly monitor the hardware input sound.

（2）Turn it clockwise to increase software sound and decrease the hardware sound. Set it to PLAYBACK position to directly monitor the sound from PC or software.

We set recording novel or courseware with background music as an example, and connect mic to record vocal.

Use KuGou Music to play music. Turn it counterclockwise to increase mic sound, but the sound from KuGou Music decreases, and vice versa.

Set it to a proper position for proper proportion of vocal and music volume. Set it to INPUT, background music monitor volume decreases to minimum, and to PLAYBACK, mic sound minimum.

⑥ Cell phone recording volume knob：

Adjusting the volume output webcast cell phone (the sound output to network terminal). Turn it counterclockwise to decrease the output volume, and the webcast sound decreases. Turn it clockwise to increase the output volume, and the webcast sound increases

⑦ Line out (speaker out) volume knob:

Adjusting line out volume. Turn it counterclockwise to decrease the volume and vice versa.

⑧ Power LED:

When it is powered on, LED lights up blue.

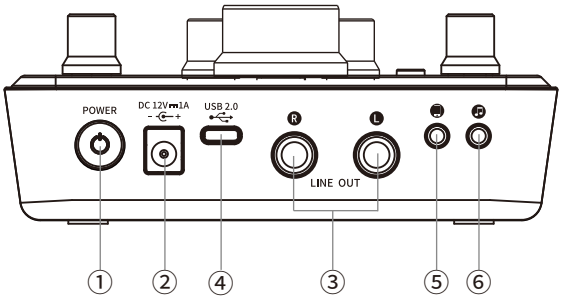
⑨ Output signal LED:

Left and right each 6 green LEDs, 3 yellow LEDs, 2 red LEDs. The meter indicates output signal level. Red LED lights up means overload. Please decrease the mic or accompaniment volume.

⑩ Headset volume knob:

Adjusting front panel headset connector HEADSET 1 / 2 output volume level. Turn it counterclockwise to decrease the volume and vice versa.

Rear panel



① Power switch:

Pressing it for 2 seconds to turn on/off the sound card.

② Power connector:

Connect adapter to provide power supply for the sound card. Please use standtrd one. If it is not the standard one, please pay attention to the specification: DC 12V⎓1A, the outer ring of the connector is -, and the internal is +.

③ LINE OUT L/R:

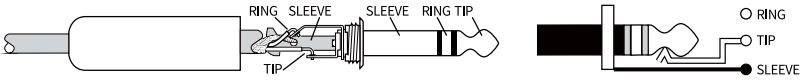
Connect speaker cabinet via Φ6.35mm connection cable. This connector links withΦ6.35mm connector (bal/unbal). There are two ways for the monitor speaker cabinet to connect with this connector: bal TRS and unbal TS. Bal signal provides better noise rejection and is the best choice. Especially, the cable is longer than 6m. According the standard, the wiring are as below, designated by AES:

Bal TRS（Φ6.35mm）

Hot（+）tip

Cold ring

Shield (ground) sleeve

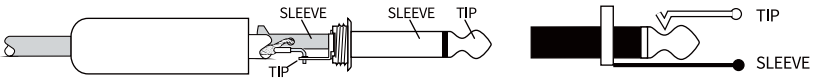


BAL TRS connector

Unbal TS（Φ6.35mm）

Hot（+） tip

Shield sleeve



Unbal TS connector

① Type- C data connector：

USB2.0, used to connect with PC USB. Please use high quality USB data cable for connection (the supplied sound card USB data cable recommened), no USB extension cable and USB hub in the middle. When using USB3.0, it can only use USB2.0 protocol.

② Cell phone connector:

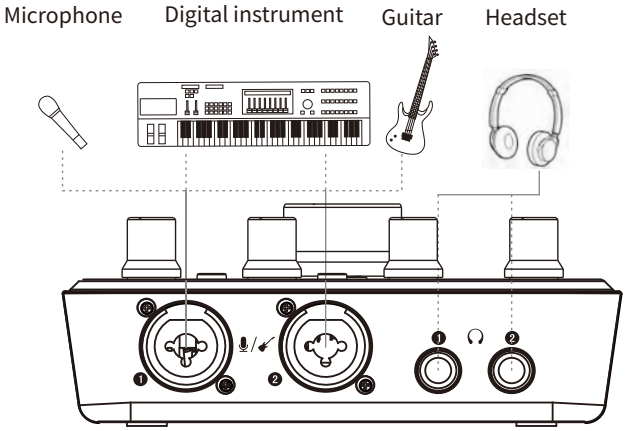
Φ3.5mm US standard connector, connecting with webcast cell phone via Φ3.5mm audio cable. It transmits sound card output sound to the cell phone. If the cell phone has no Φ3.5mm connector, it is recommended to used OTG adapter for connection (buy additionally).

③ Accompaniment connector:

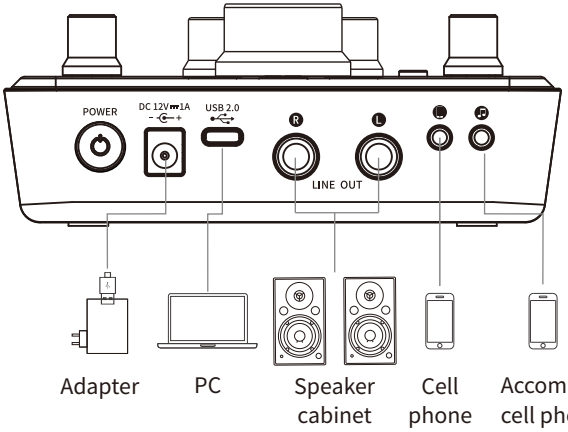
Connecting with audio source equipment via Φ3.5mm audio cable, e.g. cell phone, CD player, etc, for the application: one cell phone webcast, another one playing accompaniment.

■ Connection diagram

Front panel



Rear panel



■ Driver download and installation

To ensure better user experience, we will update MX630 driver and firmware, please download from the website: https://www.takstar.com.

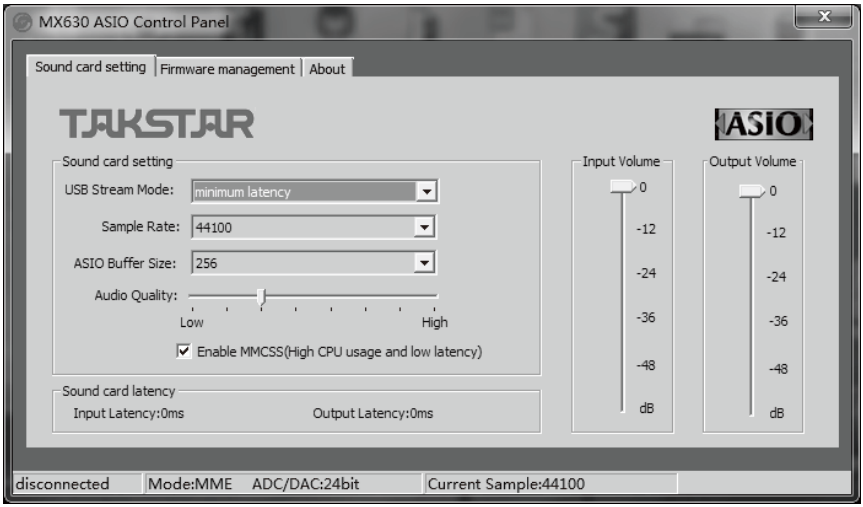
■ Driver panel

A. Driver icon:

After driver installation, it displays MX630 icon. If not, click the triangle in the task column to set the icon display. Refer the figure below:

B. Sound card setting:

Double click the driver icon to open the driver panel. Refer to the figure below:



1. USB stream mode:

Three options for USB stream mode: min delay, low delay, standard mode.

① Min delay: min delay of sound card input and output, monitor delay less than 10ms (depending on buffer). Please pay attention that this item has relatively high demand on PC. It is recommended that you do not open large software and handle other task when operating win7/win8 system to avoid noise in a sudden.

② Low delay: it is longer than min delay, monitor delay >20ms.

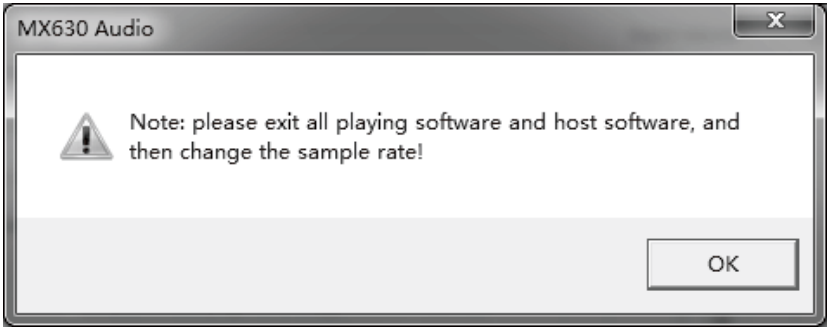
③ Standard mode: longer delay than low delay, monitor delay >30ms.

2. Sample rate:

Set the current sample ate. There are four options for the sample ate: 44100, 48000, 88200 and 96000. Set the sample rate according to different Requirements.

No matter what sample rate you choose, the audio driver will convert the Sample rate to 44.1k and output it to stereo mix. This ensures that the andwidth used for transmission on the network is less and you have a smooth host experience. Because it takes some time to make changes to the system, it is not possible to record or play the video immediately after modifying the sample rate. rIt is necessary to wait at least 5s, and judge whether the sample rate is switched according to the current sample rate in the status bar of the control panel.

Note: due to the system limitations of Microsoft, when users want to make configuration changes to WDM devices, they need to change the sample rate of all WDM devices through the driven sample rate setting change. You can't change the sample rate during playing and recording. Please change the sample rate after you exit the playing software and host software, as shown in the following figure:

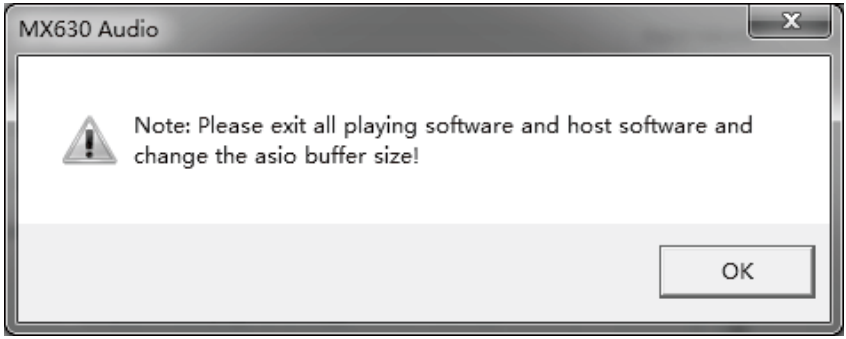


3. ASIO buffer

ASIO buffer has five options: 64, 128, 256, 512, 1024, which can be set according to different requirements.

The size of buffer can determine the delay of ASIO and WDM in and out data, and also has some influence on system stability. Displays the delay time of audio input and output in milliseconds. The lower the ASIO buffer value, the lower the audio delay.

Buffer selection principle: the smaller the buffer is, the lower the delay is, but it is also easy to cause buffer loss. Select a better buffer size according to the performance of your computer. The selection of buffer has a matching relationship with the sampling rate and stream mode. When the buffer does not match, the system will give corresponding instructions. At this time, you need to increase the buffer appropriately, as shown in the following figure:



ASIO does not support asynchronism operation. This means that the input and output signals of ASIO will have to have the same sampling rate, otherwise it leads to noise.

4. Audio quality

Audio quality selection: when the sampling rate is greater than 48K and above, this option works to determine the audio quality of the sound resampled from the system speaker.

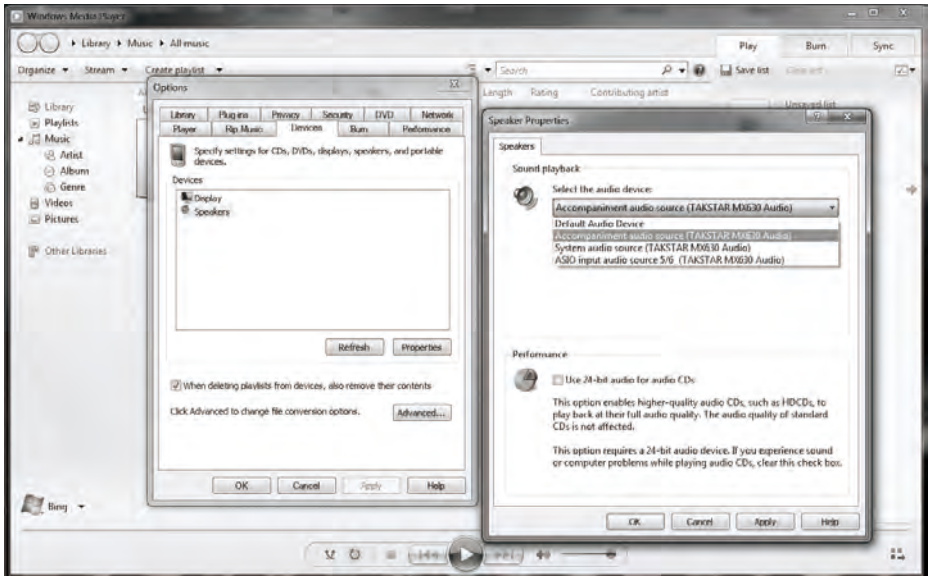
5. Using MMCSS services

Use MMCSS service to activate higher priority support for ASIO drivers. Note: at present, only the latest version of Cubase / Nuendo can support activation of this option under high load. Enabling this option for other software will reduce performance. After restarting aslo, the changes take effect. This makes it easy to check which settings work better. It is on by default. When the basic process priority of VST rack is "real-time", it is suggested to turn off MMCSS, which will improve the stability of recording. When the priority is "real-time", using MMCSS will cause thread priority inversion and instability.

■ Playing setting instruction

MX630 supports ASIO direct monitoring, but it should be noted that not all programs fully support direct monitoring, which will affect the compatibility of ADM. MX630 supports Mme, WDM and DirectSound, and which one is better depends on the application used.

In the audio playback software used, mx630 must be set as the output device. Generally speaking, such settings can be made in the options or settings under the playback device, audio device and other menus of the play software.
Take " KuGou " music as an example. The screenshot is the " KuGou " music setting dialog box. After selecting a device, the audio data will be sent to the corresponding virtual output device (depending on the selected playing device), as shown in the following figure:



① When "ASIO input sound source 5 / 6" is selected as the audio output device, the audio data will be output to the software. After selecting the corresponding audio channel in the input device of the software, the music signal played will be introduced into the software;

② When the "accompaniment audio source" is selected as the audio output device, the music played by "KuGou " will be sent to the network. In the live broadcast or various chat platforms, the netizens will be able to hear the music played by your " KuGou ".

③ When "system audio source" is selected as the audio output device, the music played by "KuGou " can only be output to its own monitoring, and will not be transmitted to the network terminal.

■ Supporting multiple APPs

MX630 supports multiple terminal operation, which means that multiple applications can run at the same time, using multiple WDM and ASIO inputs, ASIO and WDM formats can even be used simultaneously in the same play channel. However, because WDM uses real-time sample rate conversion (ASIO cannot), all active ASIO software can only use the same sample rate.

■ System audio setting

1. System audio source:

"System audio source TAKSTAR MX630 Audio" channel, the sound of this channel is directly output without the recording mixer, such as the system prompt sound, the voice of web page and the default output sound of software. If the system audio source is selected in network chat or live broadcast, the music played on the player software will not be transmitted to the other party on the network, and can only be heard by himself.

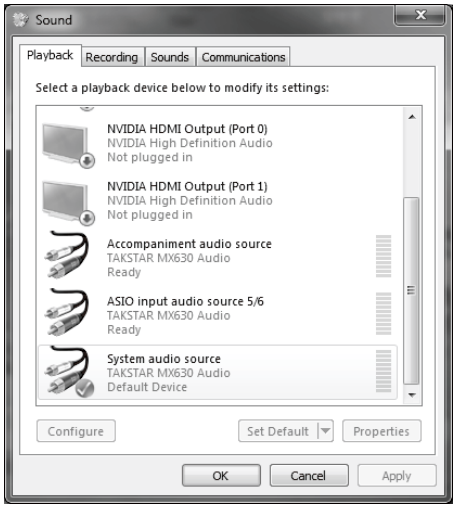
2. Accompaniment source:

The "accompaniment audio source TAKSTAR MX630 Audio" channel can transmit the sound played by the computer to the network end, that is, during the process of network chat or live broadcast, the voice played by the computer can be heard by both users and themselves.

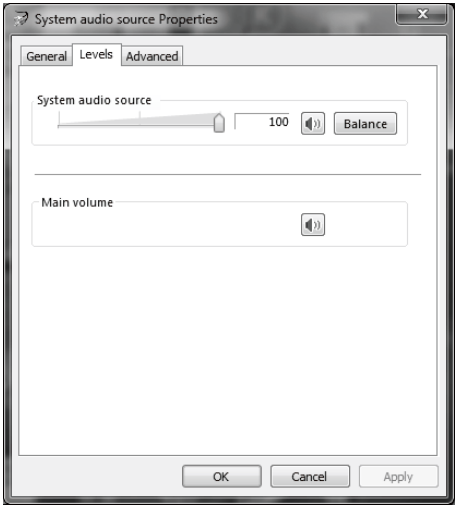
3. ASIO input sound source 5 / 6:

"ASIO input audio source 5 / 6 TAKSTAR MX630 Audio" channel, the music output by playing software passes through the software and then output to the network terminal. If you don't open the software, you can't hear the music played by the software.

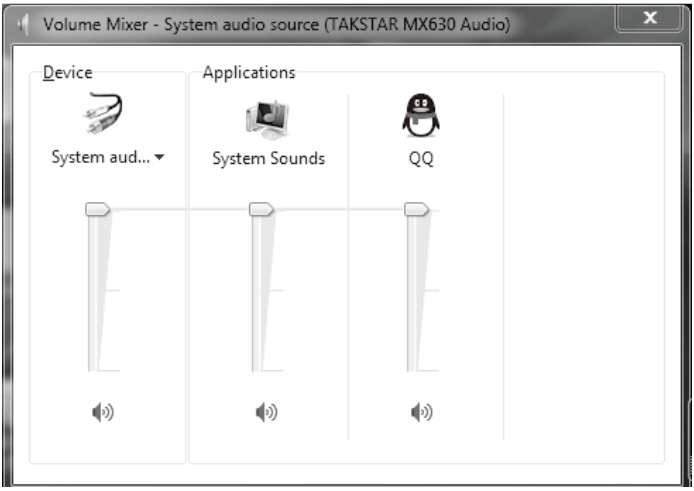
After the installation of ASIO driver, the "system audio source TAKSTAR MX630 Audio " device will automatically be the current playing device, and the "stereo mix TAKSTAR MX630 Audio " device will be the current recording device by default, as shown in the following figure:



Take windows7 as an example. Open the "play device" option of the computer system speaker to view the currently used playback device. In the level option of the playback device dialog box, you can adjust the volume of the relevant playback device, as shown in the following figure:



The output volume of relevant playback devices can also be adjusted by "turn on the volume mixer" of the system speaker, as shown in the following figure:

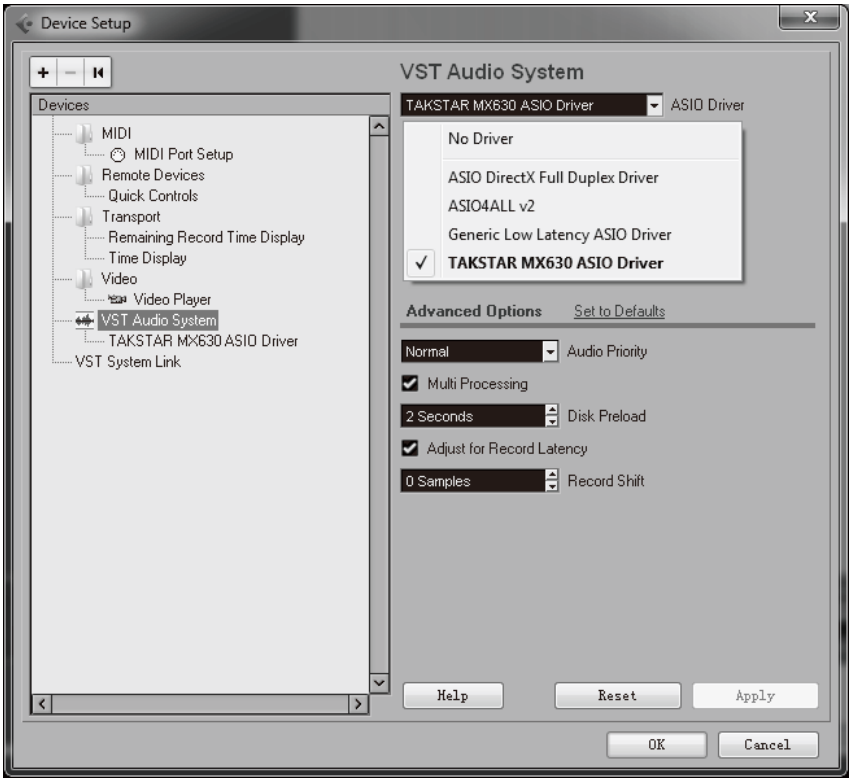


■ Recording application

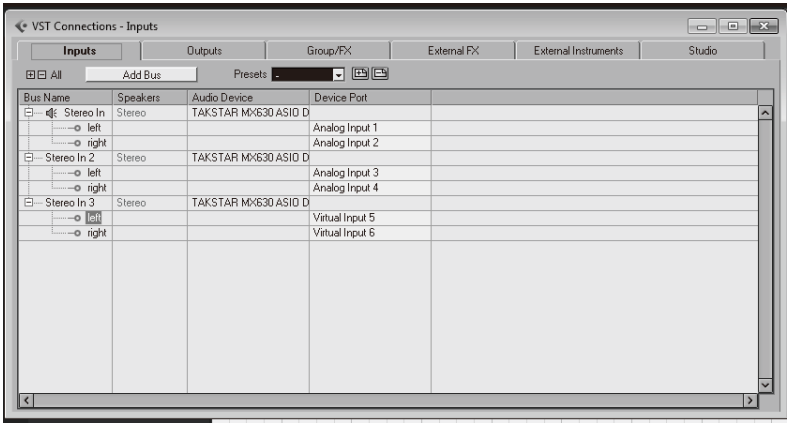
When recording through recording software, the corresponding recording equipment (MX630 analog (x + y) must be selected Or (MX630 virtual (x + y);

First, connect the sound card equipment according to the connection diagram, and then install the sound card driver. (for specific driver installation steps, please refer to the relevant contents of "operation guide", which can be found on the official website: www.takstar.com，and download the product details page).

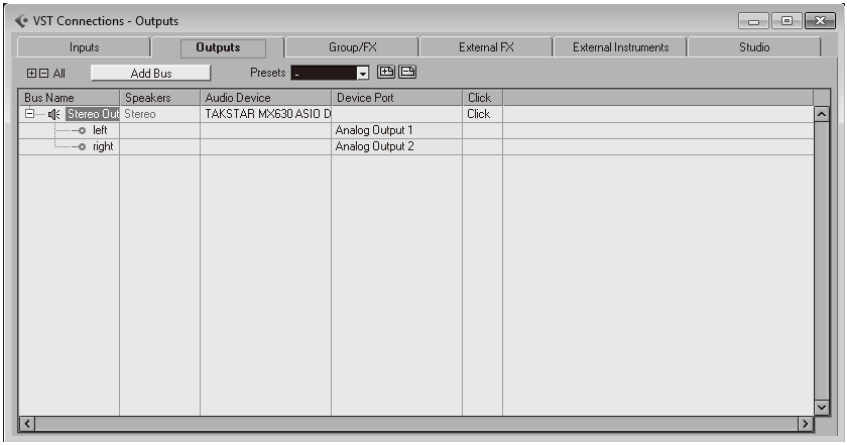
Taking Cubase as an example, select " TAKSTAR MX630 ASIO Driver" as the default recording device in ASIO settings of the audio system of the software, as shown in the following figure:



Select the corresponding input device at the device port of different recording tracks. When MX630 analog input (1 + 2) is selected, 1 / 2 channel signal is input from microphone. When mx630 analog input (3 + 4) is selected, corresponding sound card accompaniment input interface signal is corresponding. When MX630 virtual input (5 + 6) is selected, ASIO input sound source 5 / 6 signal of corresponding player will be introduced into the software. The port names of different recording software devices are different, and the actual recording software shall prevail, as shown in the figure below:



Select the corresponding output device at the device ports of different recording tracks. When "MX630 analog output (1 + 2)" is selected, the corresponding output (speaker output) interface L / R and headphone output 1 / 2 interface signal, as shown in the following figure:



For more recording methods, it is recommended to refer to the recording software operation help or go to the corresponding official website of the recording software to obtain the learning information of the software.

■ Webcast application

Refer to the connection diagram. After the device is installed and connected, turn the hardware and software monitoring knob to the "playback" direction, open the playback software, such as " KuGou music" and select "accompaniment audio source" as the output audio device. Refer to the recording application part to set the software and handle the effect processing of the software plug-in (to master the processing and adjustment methods and application skills of the effect plug-in, you need to learn about the mixing of recording), then open the corresponding live broadcast platform at the computer end and mobile phone end to carry out

■ iOS compatible mode

MX630 can be directly connected with iPad and iPhone via USB to realize recording, live broadcasting, music appreciation and other operations. The mixing ratio of software and hardware can be controlled by "hardware and software monitoring" knob.

If the IOS system version is too low, incompatibility may occur, depending on the IOS system version. We strongly recommend the purchase of Apple's original camera kit. In compatible operation mode, mx630 requires external standard power supply. It is recommended to use standard power adapter. If the rear panel of the iPad is equipped with a protective case, the plug of the camera connection kit may not be plugged tightly or has poor contact. If this problem occurs, please remove the protective case.

If the sound card is not compatible with the connected iPad or iPhone device, the iPad and iPhone will detect an incompatible USB device and display the message "unusable devices --------connected USB devices are not supported". In the newer version of IOS, the device name will be displayed after connection, or due to different IOS versions, some apps may not be able to use or the recording will only record one channel.

■ Trouble shooting

A. No power on

ensure that the equipment is connected to the power supply through the adapter;

B. The computer doesn't recognize it

1. confirm whether the USB data cable is used correctly, and check whether the USB cable is broken or damaged, and try to replace it with a normal USB data cable, and do not use a data cable more than 3 meters to connect;
2. The USB port is not activated in the system (please check the "device manager" of windows system);
3. The USB cable is not connected to the jack or is not connected to the jack correctly;
4. The sound card is not connected to the power supply;
5. Whether the driver has been installed correctly.

C. No sound

1. Check that the volume control knob of the equipment is adjusted too low, and try to adjust the volume knob to the normal level;
2. Check whether the play software plays normally, try to exit and reopen to see if it returns to normal.
3. Check whether the audio equipment is in the prohibited state.
4. If there is no sound from the software or hardware, check whether the software and hardware monitoring knob is in the INPUT or PLAYBLACK position. After trying, check if the sound goes back to normal status.
5. Check whether the microphone and speaker are correctly connected to the equipment, please refer to the connection example for confirmation;
6. If using a 48V power supply condenser microphone, please check whether the "48V" switch indicator is on.
7. Check whether the headset is connected well. Please try to plug it in again and try again;
8. Check whether the audio device has been selected as this device. Please refer to the computer audio setting instructions and play software audio equipment selection for confirmation;
9. Whether there are other USB devices connected to the computer at the same time. After trying to unplug, check whether the sound returns to normal status.
10. Whether there are other programs has operation conflicts at the same time. After trying to close other programs, check whether the sound returns to normal status.

D. Abnormal sound (noise, intermittent sound, distortion)

1. Check whether the ASIO buffer is set too low. Compare the current buffer selection requirement section of this manual. After trying to increase the ASIO buffer, check whether the sound returns to normal;
2. Whether long continuous audio is being recorded or played, the computer's audio data processing ability depends on many factors including CPU speed, access to external devices, trying to reduce audio track and then check the sound.
3. Known problems, such as insufficient power supply of CPU or insufficient transmission speed of USB BUS, will cause pop sound or noise. To avoid this problem, increase the buffer size in the ASIO control panel of the sound card.

■ Safety instruction

To avoid electric shock, over temperature, catching fire, explosion, mechanical risk and hurt or property loss caused by improper use, please read the following items carefully before operation:

1. Adjust the volume to proper level during operation. Do not operate at high volume level to avoid hearing loss.
2. If abnormal phenomenon (smoke, abnormal smell) happens, please turn off the power switch and disconnect the power plug with power socket, and send the product to local dealer for maintenance.
3. Using battery of broken insulation material is forbidden to avoid short circuit. If the product will not be used for a long time please take out the battery to avoid chemical material leakage from the battery. Only use the same type of battery or equivalent, and pay attention to the correct polarity. Reversed battery polar connection, short circuit and fierce collision or putting the battery in sunlight or fire are forbidden. The wrong battery connection or improper use of battery leads to explosion risk.
4. The product and accessories should be put in dry and ventilated place rather than humid or dusty environment. Prevent the product from liquid, rain, water, over-colliding, throwing, vibrating, vent hole covered to avoid function destroyed.

5. When cleaning the equipment, please be sure to pull out the power plug from the power socket. When cleaning the equipment, use a soft dry cloth. Do not use paint thinner, solvent, cleaning solution or dishcloth soaked with chemical substances.
6. Please unplug the device during thunderstorm or when not in use for a long time;
7. Do not overload the wall socket or extension cord, or it may cause fire or electric shock;
8. Protect the power cord from being stepped on or squeezed, especially the plug, socket and the position where they are connected to the power line;
9. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
10. Please use the accessories designated by manufacturer.
11. Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.
12. If the power adapter is used to power the product, please use the power adapter supplied. If you need to use other adapter, you should purchase the power dapter which has obtained CCC certification and meets the standard requirements;
13. The applicable altitude and climate condition of this product is subject to the power adaptor, the meaning of the power adaptor icons is as below:

Applicable to the altitude below 2000m only

Applicable to the non-tropical climate conditions only

■ The meaning of Icon

CE According to the test results of RL2004 / 108 / EG and European Low Voltage Directive RL2006/95/EG, this product conforms to the limit values stipulated in the directive of the European Community on the integration of the laws of the member states on electromagnetic compatibility

This symbol indicates that according to WEEE Directive (2012 / 19 / EU) and national laws, this type of waste will have potential harmful substances, which may have a negative impact on the environment and human health, so this product should not be disposed together with your household waste, and should be handed over to the authorized electrical and electronic equipment (WEEE) recycling station for recycling. At the same time, when you handle this product correctly, it will help the effective use of natural resources. For more information on where you can place your waste recycling equipment, please contact your local city office, Waste Management Bureau or household waste treatment service.

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 occurin 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 measures:

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

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

The icon indicates that the product has passed "WHQL Microsoft logo certification", that is, "Microsoft operating system hardware quality laboratory certification". WHQL certification is a benchmark certification system introduced by Microsoft to ensure the stability and compatibility of the system. WHQL certified products can achieve better compatibility, stability and interoperability with Windows operating system, and eliminate the problems of system or equipment downtime and performance degradation, and bring better user experience. Microsoft stipulates that all products certified by WHQL will be awarded the "windows compatible logo", and the relevant information will appear in the official website of Microsoft and the hardware compatibility list (HCl) of the operating system for easy query.

WHQL Microsoft logo certified driver will not pop up the compatibility reminder during the installation process. The device driver is included in Microsoft's hardware compatibility list, and the driver is approved by digital signature. In addition, the user's system will not be affected by unstable and poor performance drivers and software, so as to improve the trust degree of products in the hearts of users.

This icon means the equipment is only suitable for indoor application.

This icon indicates that the adapter of the product meets the 3C certification requirements of "China Compulsory Product Certification".

The icon indicates that the equipment meets the double insulation requirements of class II electrical appliances.

■ About the user manual

For more information, please visit our website: https://www.takstar.com/. Takstar reserves the final interpretation right!

注意事项：

1. 本单为保修凭证，请用户妥善保管，如有遗失，恕不保修或退换。
2. 保修期限制：购买之日起十二个月内。
3. 除了不可抗力事件损坏外，由本公司负责，免费维修。
4. 如属保管不善或使用不当造成的损坏，维修点将酌情收费。
5. 擅自拆卸维修者，不予保修。
6. 以上保修条款仅限于中国市场适用（不包含港澳台地区）。

产品服务保证书

姓名：_____ 电话：_____ 地址：_____

商品：_____ 型号：_____ 购买日期：_____ 年___月___日

维修记录栏（由维修员填写）	维修员签名	日期

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Designed & Manufactured by:
Guangdong Takstar Electronic Co., Ltd.
Address: No.2 Fu Kang Yi Rd., Longxi Boluo
Huizhou,Guangdong 516121 China

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