Precaution

Please read this instruction carefully before use.

- Do not attempt to disassemble or modify the product.
- Keep the product away from the external shocks or vibrations.
- Do not use the damaged or peeled cables.
- Do not use the product outdoors.
- Product specifications and features are subject to change without notice.

Warranty Information

- Free warranty service
  - In case of the defect is found caused by the design or the production flaw while using the device properly, a manufacturer is responsible for the faulty product and the free warranty service for 1 year from the date of purchasing.
  - Even in the warranty service period, malfunction or damage of products caused by the inevitable incident such as a natural disaster is not subject of the free warranty service.
- Warranty service at a cost
  - The product that free warranty service period is expired.
  - Malfunction of the product caused by a user's fault.
  - Malfunction of the product caused by incidents.
  - Malfunction of the product caused by a natural disaster such as earthquake, flood, lightning & etc.
  - In case of the warranty service at a cost, a customer should cover the transportation costs.
- Examples about a user's fault
  - In case of attempts to disassemble or modify the device.
  - In case of not following the instructions on this manual.
- Please read this operating instructions and Q&A board on our website carefully before asking for the warranty service.

Supplied components
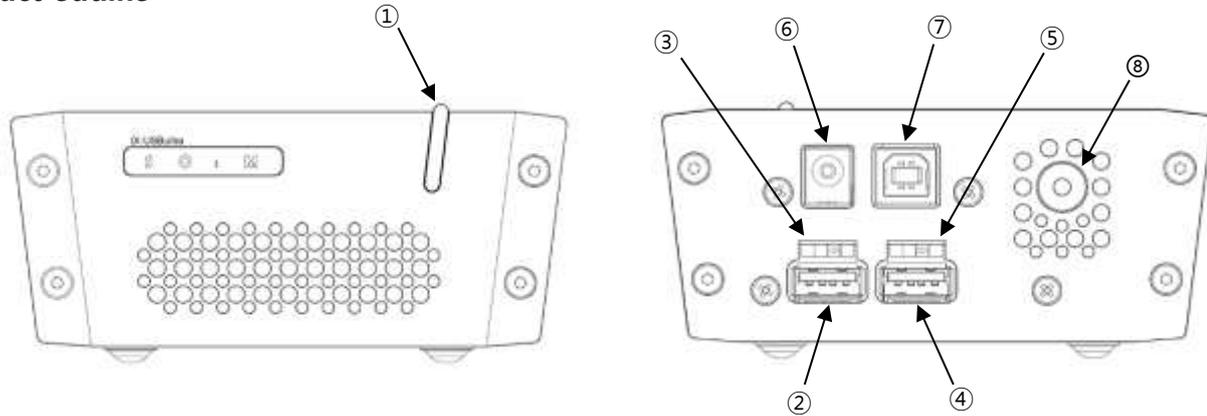
- tX-USBultra unit
- Operating instruction

S O t M

Ultimate High Performance Audio

Specification

- User interface
  - Power indicate LED bar
- USB host interface port
  - USB 2.0 Type B connector
- USB output Port
  - Type A USB 2.0 connector x 2
  - USB port power on/off switch x 2
- USB interface chip set
  - USB 2.0 Compliant HUB controller
  - HS(480 Mbps), FS(12 Mbps), LS(1.5 Mbps) support
- Ultra low jitter Clock module
  - sCLK-EX12
  - Optional 10MHz master clock input

- Power input
  - Input voltage : +9Vdc
    (Optional input voltage : +12Vdc)
    (Optional input voltage : +6.5Vdc ~ +8.5Vdc)
  - Input current : 2A max
  - 5.5mm OD, 2.1mm ID adaptor jack
- USB port output power
  - Output voltage : +5.0V(+0.5V, -0.25V)
  - Over current protection : 0.8A at 20℃
  - Recommend output current : 0.5A >
- Operating environment
  - Operating temperature : +10 ~ +30℃
  - Storage temperature : 0 ~ +40℃
  - Operating & storage humidity : 10% ~ 90%

Product outline

①   Power indicating LED lamp

②   USB output port 1 : Connect to USB audio device by USB cable(Type A - to - Type B).

③   Power switch of USB output port 1: Switch to ON if the connected USB audio device requires USB power. If not, switch to OFF.

④   USB output port 2 : Connect to USB audio device by USB cable(Type A - to - Type B).

⑤   Power switch of USB output port 2: Switch to ON if the connected USB audio device requires USB power. If not, switch to OFF.

⑥   Power input jack : 6.5Vdc ~ 9Vdc, 2A, is required to operate the unit. (jack size : 5.5mm OD, 2.1mm ID)

⑦   USB input port : Connect to USB host device like PC or music server by USB cable(Type A - to - Type B).

⑧   Master clock connector : Connect to 10MHz master clock device by 50Ohm BNC cable to sync to a master clock. This connector is only installed when ordering the master clock option.

Precautions

- Recommend using one of USB ports only. If you use both USB ports at the same time, sound quality may degrade.

Product user guide

- SOtM tX-USBultra is a 2 ports USB regenerator/jitter cleaner designed for the best USB audio performance.
- Connect the USB input port to a USB host device like a music server or PC and connect the USB output port 1 or 2 to a USB audio device like a DDC or DAC by USB cable(Type A – to Type B).
- Connect the power supply to the product. (Refer to the required power input in the Specification section)
- A power indicating green LED bar is on once powered up and the product will be automatically recognized and work without the driver installation.
- If the connected USB audio device requires +5V of the USB output port, switch to ON the power switch, if not, switch to OFF.
- If you don't use the product, turn off power by unplugged the power supply.

External power

USB cable for Audio device

USB cable to Host device

Music server or PC

USB audio device

tX-USBultra