5.1ch Digital Audio Converter

User Manual

Thank you for choosing our products.We focus on producing professional,high-quality,cost-effective high-tech products. Let you easily enjoy high-definition digital life brought by technology.

For the optimum performance and safety,please read these instructions carefully before connecting,operating or adjusting the product. And please keep this manual for future reference.

Introduction：

This audio decoder can auto convert optical/coaxial channel(Support LPCM/PCM/RAW) input to 2.0 channel analog audio output, and support decoding Dolby AC-3/DTS(include 5.1 RAW digital audio streaming). So it is widely used in families, schools, squares, concert halls, cinemas and other public places to enjoy the shock effect of DTS or Dolby.

Features:
- Build-in high performance RTOS operating system and audio decoder chip; support DTS/AC-3.
- Super fast start time about 3 seconds.
- Input:1 SPDIF Optical, 1 Coaxial
- Output:L-OUT-R; 3.5mm Headphone Port
- Auto switch between optical and coaxial channel input.
- Auto decode AC-3/DTS (LPCM/PCM/RAW) input signal without any action.
- High compatibility: Support network player, HDTV, Blu-ray DVD, DVD, PS3, XBOX 360, DM500S, DM800HD, etc.
- Small Size and Metal case, Anti-interference.
- Adopt RCA/3.5mm Headphone port output ,convenient and efficient in use.
- Supports volume adjustment.

Specification：

Support audio format..MP3,AC3,DTS,WAV,WMA,

AAC,ALAC,FLAC,APE,OGG,M4A

Signal Noise Ratio..120db

Stereo Isolation....................................
80db（1KHZ）

Channel Unbalance...
0db

Sampling Rate.......................................32~192
KHz

Bit Rate...16~24 Bit

Response Frequency............20Hz~20KHz+/-0.7db

THD...............................20Hz~20KHz 0.25-0.065%

THD+N...1KHz 0.15%

Analog Output level...
2.2V

Shell Dimension.......................81.7 x 78 x
21.2mm

Weight..110g

Port..Optical ×1,Coaxial ×1,earphone jack×1,L/R×1

Working Voltage...DC
+5V

Max Power Current.......3................................200mA

Working Temperature....................................0-70℃
Working Humidity.....10%-80%RH(non-condensing)
Storage Temperature.................................-10-80℃
Storage Humidity.....5% -90% RH(non-condensing)

Package Contents:
Decoder...1PCS
User Manual..1PCS
Micro USB Power Cable................................1PCS

Diagram of Interfaces:

DC 5V   Optical—In—Coaxial   L —Out— R

①   ②   ③   ④
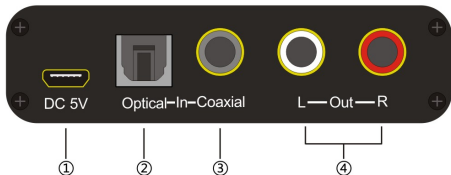
① DC 5V： Power 5V Input
② Optical： Optical Input Port
③ Coaxial： Coaxial Input Port
④ L-OUT-R： Stereo Analog Audio Output
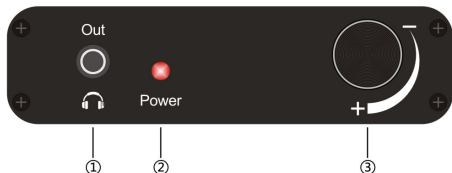
① Headphone: 3.5mm Analog Audio Output
② Power:Power Indicator light
③ Knob: Volume Adjustment

Connection and Operation：
1.Use optical cable,Coaxial cable to connect
 optical port, coaxial port to the audio playback

device (such as CD,DVD,games
console,computer etc.)
2. Connect the Headphone port to the headphone.
3. Use the R/L audio cable to connect L-OUT-R
   port to the Audio amplifier.
4. Connect the Micro USB Power Cable to the
   Power port of the decoder,the power indicator will
   light when power on.
5. Waiting about 3 seconds, the power light will be
   lighting,then the sound will output.
6. When the SPDIF and coaxial input at same time,
   the device default SPDIF output .

Function Diagram：
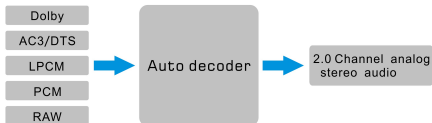
Connection Diagram:
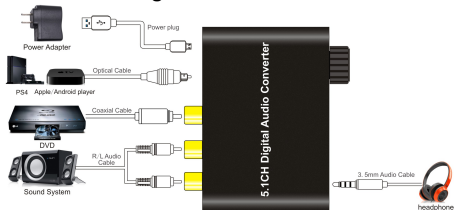
Note：

Please use the machine as the instruction listed to keep the long lifetime of it.

1. Please do not expose this unit to the damp, high-temperature, dusty, erosive, or oxidative environment.

2. All parts will be free from the strong shake, hit, fall.

3. Please do not touch the power adapter plug with wet hands.

4. Please hold the plug when unplugging. Do not

pull the power cable directly.
5. Please turn the unit off when it is not in use for a long period of time.
6. Please do not open the cover and do not touch the inside parts.
7. Please use the original factory power cable.

FAQ:

Before switching on the extractor, please check all the cables carefully and make sure all the interfaces are connected correctly. The common problems and the relevant solutions are showed as follows.

No.	Problem Description	Solutions
1	Non-Power-Connected	1.Check if the power adapter plug is inserted the power socket correctly 2.Check if the power is on

2	No Audio Output	1.Confirm that the audio signal source is connected to the decoder correctly 2.Check if selected the corresponding input channel 3.Check whether the cables are in good condition 4.Adjust the knob and check whether the playback device is muted or the volume is at a minimum

3	Noise	1. Please reconnect the interfaces, in case the interfaces loose contacts 2. Check cable quality (cable terminal rust, open circuit) 3. Check whether the noise is from the audio sources