

# Digital DTS 5.1 AC-3 Analog Audio Decoder

## User Manual

Model: DK203

Thank you for purchasing this product. For optimum performance and safety. Please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

### Introduction:

Digital Audio Decoder: Used 24-bit audio DSP, 96 KHZ digital receiver, and 192 KHZ/24bit ADC and DAC. Support Doble Digital AC-3 Doble Pro Logic, DTS, PCM and other digital audio format source decode, a variety of sound field and the replay results of two listening modes, 5.1 analog audio output, will auto work with different amplifier and speakers to get different sound effects, easy to connect many entertainment devices which with optical and coaxial digital signal and analog output signals (such as: set-top boxes, HD players, Blu-ray, DVD, PS2, PS3, XBOX360)

### Features:

1. Convert DTS/AC3 source digital audio to analog 5.1 audio or stereo audio output
2. The analog stereo (L/R) signals after digital processing chip handle convert it to analog 5.1 channel output
3. Multi-channel audio input (SPDIF, Coaxial, Stereo)  
2 x SPDIF input, 1 x Coaxial Input, 1 x Stereo Input
4. Analog 5.1-channel or Stereo output
5. Dimension: 105\*75\*25 mm

### Technical Data:

1. Signal to Noise: 120db
2. Degree of Separation: 85db
3. Frequency Response: (20Hz ~ 20 KHZ) +/- 0.5db
4. Max Output Volt: 2.2V
5. Power Supply DC/5V 1A, (outlay 110V~240V broadband convert DC5V Power)

### Package and Accessory

Products Name	Quantity	Remarks
Digital Audio Decoder	1 unit	
DC5V Power Adapter	1 unit	AC100~240V/50~60HZ
Optical Cable	1 unit	
User Manual	1 unit	EN

## Product Interface Schematic

DC/5V----- Power input  
Input ----- Source short, switch  
Input channels (SPDIF, COX, AUX,  
While D1/D2 /D3 corresponding LED lights)  
2.1/5.1----- Switch 2.1 or 5.1 analog audio  
OPT1 ----- SPDIF1 input interface  
OPT2 ----- SPDIF2 input interface  
COX ----- Coaxial input  
AUX ----- Analog stereo input  
Optical fiber cable or coaxial connection PS3/XBOX360 / HD players  
Power ----- Power indicator, power post-Always  
D1 ----- When you press the S key, switch to the OPT1, D1 lights  
D2 ----- When you press the S key, switch to the OPT2, D2 lights  
D3 ----- When you press the S key, Switch to the COX, D3 lights  
(When switch to only POWER light is on, the input is the AUX(stereo) channel)  
FL-----Connect Amplifier FL interface  
FR-----Connect Amplifier FR interface  
SL----- Connect Amplifier SL interface  
SR-----Connect Amplifier SR interface  
CEN -----Connect Amplifier CEN interface  
SW ----- Connect Amplifier SW interface

## Failure Check:

### 1. No sound output

- A. Check whether the power 5.1 AUDIO DECODER power is on or not.
- B. Check whether the input channels and output connections on the same channel (please use "S" key to change, OPT1 --- D1 lights, OPT2-D2 lights, COX --- D3 lights)
- C. Make sure the output device (PS3/XBOX360/DVD Player / HD Player) is set to digital audio output.
- D. Make sure the 5.1 amplifier power on, and switch to the 5.1 audio input, turn on the volume.  
If connect 5.1 headphones, make sure connect USB-power access, and turn on the volume.

### 2. Noise

- A. Make sure the cable is good
- B. Are there unusual audio input
- C. Check this noise is weather from 5.1 amplifier or headphones.