

## **Bluetooth Headphone Amplifier , Hi-Res Audio Model No.VD-6880**

### **PRODUCT DESCRIPTION:**

The headphone amplifier supports the apt-X HD codec which offers high sound quality wireless playback capability via Bluetooth hardware. Also supports Line-In , USB, SPDIF audio input.

The built-in SRC(Sample Rate Convertor) chip is capable of processing digital audio signals up to maximum 384KHz/32bit resolution.

A built-in USB-rechargeable Li-polymer battery enables long hours of high-resolution listening enjoyment, even outdoors. Its large charging capacity ensures approximately 9 hours of continuous playback. The unit goes into power saving mode when no audio signal for 10 minutes.



## **Bluetooth Headphone Amplifier , Hi-Res Audio Model No.VD-6880**

### **PRODUCT FEATURES:**

- Bluetooth Specification Ver. 4.2
- Compatibility Hi-Res Audio Sample Rate up to 384KHz / 32Bit
- Sample Rate Convertor (SRC) technology, Use the slop between 2 points to predict the native audio wave
- 96KHz / 24bit USB audio decoding and output for PC
- 192KHz / 24bit SPDIF output and input for Hi-Fi System
- 384KHz / 32bit / 112 dB SNR Digital-to-Analog Convertor(DAC) for better sound quality
- 96KHz / 24bit Analog-to-Digital Convertor(ADC) for line input
- Build-in 138mW DirectPath stereo headphone amplifier for high performance, good resolution, low distortion, and powerful output
- Standard 3.5mm stereo line-in metal jack for portable amplification with conventional audio source
- Standard 3.5mm headphone metal output jack.
- LED indicator
- Supported Bluetooth SBC, apt-X, apt-X HD codec
- Auto power saving function
- Built-in rechargeable 1100 mAh Li-polymer battery
- Built-in antenna

## Bluetooth Headphone Amplifier , Hi-Res Audio Model No.VD-6880

### PRODUCT SPECIFICATION:

Description	Bluetooth Hi-Res Headphone Amplifier
Standard	Bluetooth 4.2 specification, Class II
Bluetooth Profile Supported	A2DP Profile
Operating Range	Up to 10 Meters
Operating Frequency	2.402 GHz - 2.480 GHz ISM Band
RF Output Power	4 dBm
Receiver Sensitivity	0.1% BER for all packet types -85dBm
Audio Sample Rate	Up to 384KHz/32bit
Earphone Output	90mW+90mW / 16Ω
SNR	> 100dB
Input interface	Bluetooth, Line in, SPDIF, USB
Output interface	Analog, SPDIF
Digital Input Sample Rate	SPDIF(192K/24 bit), USB(96K/24 bit), BT(48K/24 bit)
Digital Output Sample Rate	SPDIF(192K/24 bit)
Analog Input	3.5mm stereo jack(40KHz)
Analog Output	3.5mm stereo jack(100KHz)
Frequency Response	20Hz ~ 100KHz
Power Supply	+3.7V Li-polymer Battery.
Operation Current	< 120 mA (max volume)
Low Power Mode	Low Power Mode < 10 mA
Talking time/ Standby time	9 hours / 110 hours

## Bluetooth Headphone Amplifier , Hi-Res Audio Model No.VD-6880

Charging time	2 ~ 2.5 hours
Dimension	97 x 62 x 21 mm
Weight	115 g
Operating Temperature	0°C to 50 °C
Storage Temperature	-10°C to 60 °C
Humidity	10% to 90%

### Interface, Switch & LED :



#### **A** SPDIF Output Jack

Use 3.5mm plug to coaxial cable to connect with audio playback device

#### **B** SPDIF Input Jack

Use 3.5mm plug to coaxial cable to connect with audio source device

#### **C** Line Input Jack

Use 3.5mm stereo plug cable to connect with audio source device

## **Bluetooth Headphone Amplifier , Hi-Res Audio Model No.VD-6880**

### **D USB Input & Charging Connector**

Use micro USB to USB cable to connect to PC as PC's USB audio device, also be able to charge the built-in battery

Use micro USB AC-DC adaptor to charge the built-in battery



### **A Power & Input Select Knob**

Use the switch to select the input source

When select to any input source then the headphone amplifier power on

Turn the knob to OFF position to power off the headphone amplifier

### **B Phones Jack**

Connected a headphone(3.5mm stereo jack) to this jack

### **C Volume Control Knob**

Turns clockwise to increase the volume

Turns counterclockwise to decrease the volume

### **D Charging Indicator**

Red LED turns on when charging

Green LED turns on when charge complete

## **Bluetooth Headphone Amplifier , Hi-Res Audio Model No.VD-6880**

### **E1 Bluetooth Input Indicator**

Blue LED quick flash when enter Bluetooth pairing mode

Blue LED slow flash when enter sleep mode

Blue LED turns on when music streaming

### **E2 USB Input Indicator**

Blue LED slow flash when enter sleep mode

Blue LED turns on when music streaming

### **E3 Line Input Indicator**

Blue LED slow flash when enter sleep mode

Blue LED turns on when music streaming

### **E4 SPDIF Input Indicator**

Blue LED slow flash when enter sleep mode

Blue LED turns on when music streaming

### **Input LED Indicator :**

#### 1. Bluetooth LED indicator

Blue LED quick flash when pairing mode

Blue LED slow flash when power saving mode

Blue LED turns on when music streaming

#### 2. SPDIF, Audio in, USB LED indicator

Blue LED slow flash when power saving mode

Blue LED turns on when music streaming

## Bluetooth Headphone Amplifier , Hi-Res Audio Model No.VD-6880

### Charger status LED indicator :

Red LED turns on when charging

Green LED turns on when charge complete

### Volume Control :

Clockwise turn for volume up

Counterclockwise turn for volume down

### Outline :

