AM6401

7.2 Surround Sound Audio Decoder



Description

This unit is a professional audio processor built on a fully digital DSP audio processing platform. It delivers powerful performance in a compact form factor, integrating multiple functions such as home theater processing, vocal effects, audio crossover, parametric equalization, limiting, and delay into a single central unit. It is easy to use and flexible in configuration, making it suitable for various home karaoke applications, while easily enabling both home theater and karaoke functions in one system.

Features

- 4.3 Inch 65.5K-color LCD display with selectable Chinese and English interface, clear and intuitive
- 4-in/1-out HDMI audio and video interface, supporting optical and coaxial digital audio inputs
- Full support for 7.2-channel surround decoding with 7.2-channel audio output
- 15-band parametric EQ for music, with independent 15-band parametric EQ for dual microphone

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channels (A/B)

- Professional KTV reverb effects, with independent 5-band EQ for echo and reverb, and 4-level microphone feedback suppression for effective anti-howling performance
- Independent 8-band parametric EQ (PEQ) is provided for the main output, center, subwoofer, side surround, and back surround channels, along with adjustable crossover input selection and mix ratio, polarity, delay, limiting, and gain control.
- Equipped with a professional-grade imported DSP chip (400MHz), 48kHz sampling rate, and 32-bit floating-point processing; high-performance 24-bit A/D and D/A converters for excellent sound quality.
- USB control interface with dedicated PC control software.
- 8 preset memory configurations.
- Supports 8K video signal decoding and output.
- Multi-functional remote controller.
- One-touch switching between Cinema, KTV, and Bluetooth modes.
- Built-in 7.2-channel speaker test mode.

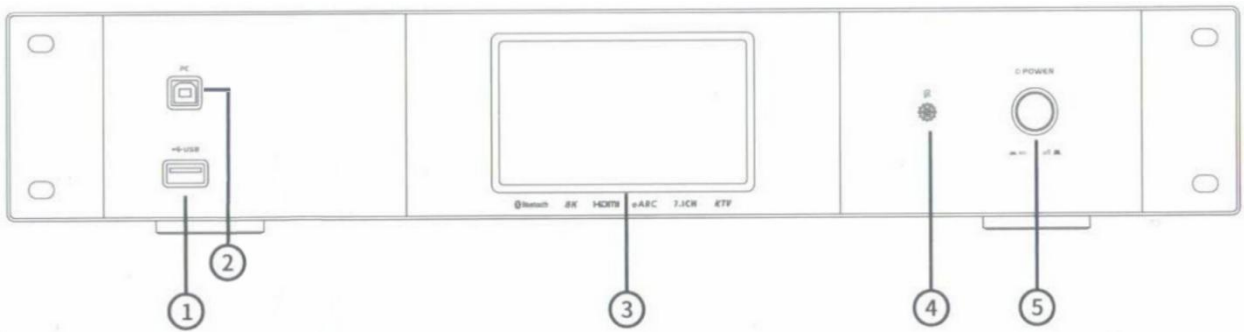
Specifications

Model		AM6401
Output Channel		Front Left (FL), Front Right (FR), Center (C), Subwoofer (SW), Surround Left (SL), Surround Right (SR), Back Surround Left (BSL), Back Surround Right (BSR) Channel
SNR	Microphone	＞95dB
	Music	＞97dB
Distortion	Microphone	＜0.1%
	Music	＜0.1%
Max. Input Level	Microphone	250mV
	Music	1V
Max. Output Level	Microphone	1V rms
	Music	1V rms
Sensitivity	Microphone	15mV
	Music	300mV
Input Impedance	Microphone	10 kΩ, unbalanced
	Music	47 kΩ, unbalanced
Output Impedance		300 kΩ / 1 kΩ, unbalanced
Channel Separation		＞87dB
Frequency Response		20Hz~20kHz
Feedback Suppression		4-level feedback control
Channel Parameters	Microphone / Music	15-band PEQ + Low Pass + High Pass, Gain: −24 dB ~ +12 dB
	Output	Signal mixing + Polarity + 8-band PEQ + Low Pass + High Pass + Limiter + Delay + Gain
Net Weight		4.8kg
Package Size		595×315×140mm

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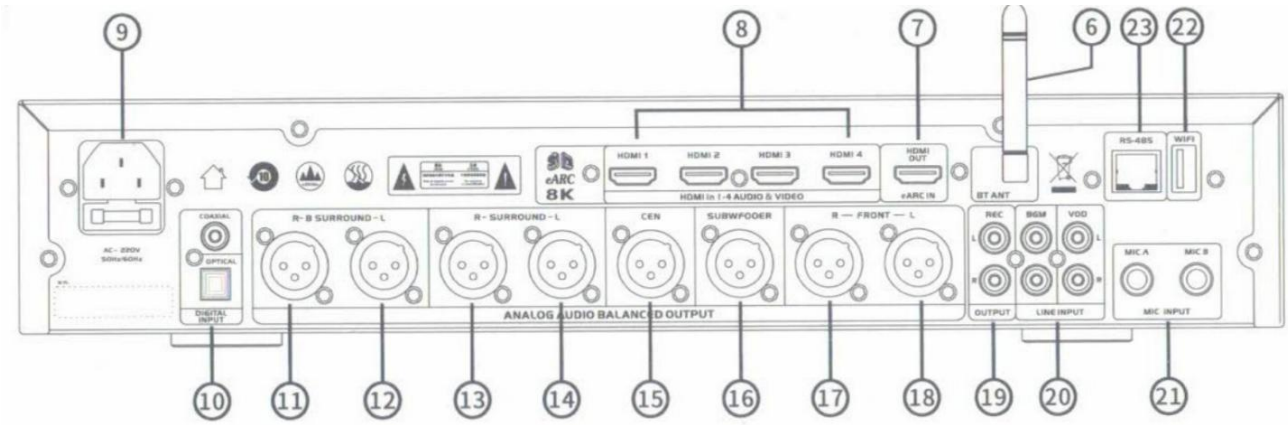
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Front / Rear Panel



Note:Please refer to the actual product received for the front and rear panels.

① USB Interface
② PC Interface
③ Display Screen
④ Remote Control Receiver Window
⑤ Power Switch



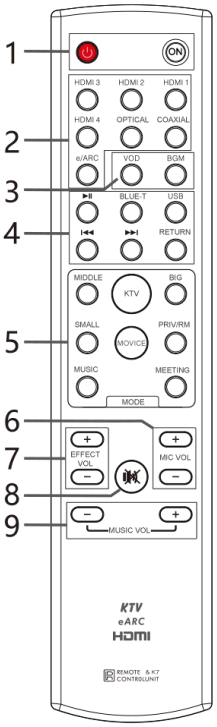
⑥ External Bluetooth Antenna
⑦ HDMI Audio / Video Output (HDMI OUT)
⑧ HDMI Audio / Video Input (HDMI IN)
⑨ AC 220V Power Input Socket
This socket includes a spare fuse. Open the fuse holder to replace it when necessary.
⑩ Coaxial and Optical Digital Audio Input
⑪ Back Surround Right (BSR) Balanced Output
⑫ Back Surround Left (BSL) Balanced Output
⑬ Surround Right (SR) Balanced Output
⑭ Surround Left (SL) Balanced Output
⑮ Center (C) Balanced Output
⑯ Subwoofer (SW) Balanced Output
⑰ Front Right (FR) Balanced Output
⑱ Front Left (FL) Balanced Output
⑲ Recording Output
⑳ External Audio Input
㉑ Microphone A/B input
㉒ WiFi Interface for PC Configuration
㉓ RS485 Control Interface

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Product Information

- **Remote Control Buttons & Operation**

1. Power On / Standby
2. HDMI / ARC / Optical / Coaxial Input Selection
3. VOD / BGM Input Selection
4. USB / Bluetooth Input Selection and Control
5. Eight Preset Modes Stored in The Unit
6. Increase / Decrease Microphone Volume
7. Increase / Decrease Microphone Effect Volume
8. Mute
9. Increase / Decrease Music Volume



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