



## Description

It has powerful DSP processing capabilities and uses a touch control screen equipped with a professional digital audio processing interface. Professional buttons and touch screen can quickly operate various functional modules, such as level meter, PEQ, Limiter, USB recording and playback, scene storage, system settings, etc.

## Feature

- \*The professional operation panel consists of a 10.1-inch 1280×800 true color capacitive touch screen, digital encoder and dedicated buttons, which can quickly and easily perform all settings.
- \*It has 13 100mm motorized faders that can control all channels and main outputs: 1 LR master channel fader, 12 channel faders and 2 fader layers.
- \*Supports switching between Chinese and English interfaces without restarting.
- \*Built-in USB recording and playback functions. Able to identify Chinese and English song names in USB electronic disks, with functions such as fast forward, next song, quick pause, etc., very convenient for on-site operation; and supports playback of APE, ELAC, WP3, WAV lossless audio formats.
- \*The inputs have independent feedback suppressors, support gain-sharing automatic mixing, and have 2 DCA groups .
- \*It has 2 built-in effects, including classic reverb, large room reverb and other effect modules; FX sound effects can be returned to the mix using a dedicated return channel and do not occupy the mono and stereo input channels.
- \*Supports full-function control of iPad touch screen and real-time data synchronization; supports simultaneous control of 8 terminals.
- \*ARM firmware and DSP firmware can be upgraded via the network or USB.
- \*Each input channel has 4-band parametric equalization, noise gate, high and low pass, compression, and phase inversion.
- \*Each output channel has 8-band parametric equalization, high and low pass, compression, phase inversion, and 1800 millisecond delay.
- \*The output channels support L/R, 6BUS, 2AUX, HeadPhone (L/R), and the mixing can be selected before or after the fader (PRE/POST).
- \*Supports 100 sets of scene presets, which can be exported and imported into USB storage for easy data backup; supports 32 PEQ mode storage.
- \*Built-in signal generator: sine wave, pink noise, white noise.
- \*Supports channel parameter copy function, quickly copy data of the same channel, and the channel name can be customized.
- \*Wiring method: balanced input (XLR, TRS), output XLR (XLR).
- \*Supports 8 fader groups and 3 quick mute group buttons.
- \*Equipped with panel lock button to prevent accidental operation.
- \*Supports IPAD tablet, Android tablet, WIN system computer software control, and supports open central control code.
- \*Bluetooth, USB for playback/recording, 1 stereo line out +2 AUX out, 1 return out, 1 RAC out
- \*Digital interface with EQ adjustment and LCD display



### Specification

<b>Input</b>	12 XLR balanced mono inputs /with phantom +48V/, 4 stereo input, 1-channel OPTICAL interfaces, 1-channel S/PDIF interfaces, 1-channel USB2.0 interface.
<b>Output</b>	1 stereo main output L/R (XLR), 1-channel AES outputs, 6-channel BUS outputs (XLR), 2-channel AUX outputs(XLR)
<b>Noise Floor</b>	-90dBu unauthorized (AP 515 tested AES17-20Khz)
<b>Distortion</b>	0.005% @4dBu 20 ~ 20Khz
<b>Signal-to-Noise Ratio</b>	-108dB No Memory
<b>Dynamic range</b>	108dB
<b>Maximum input and output level</b>	18dBu (6.2Vrms) balanced
<b>Frequency response</b>	20Hz~20KHz ±0.5dB
<b>Touch</b>	capacitance
<b>Operating system</b>	Linux
<b>DSP</b>	ADSP-21489 400Mhz
<b>USB</b>	Recording and playback (playback formats APE, FLAC, MP3, WAV)
<b>DCA</b>	have
<b>Electric hair clippers</b>	13
<b>IPad control</b>	have
<b>Effects</b>	all channels have EQ settings with DSP 24 effects
<b>Feedback Suppressor</b>	16 independent
<b>Ethernet</b>	100M
<b>RS-232 Protocol</b>	have
<b>Addotional power source</b>	Phantom power +48V
<b>Power supply</b>	AC 100v-240v ; 50/60Hz 55W
<b>Dimensions (width x depth x height)</b>	460×545×205mm
<b>Net weight</b>	10.7kg
<b>Gross weight</b>	14.9kg
<b>Package size</b>	635 × 580 × 335 mm
<b>TCP/IP Control Protocol</b>	have