



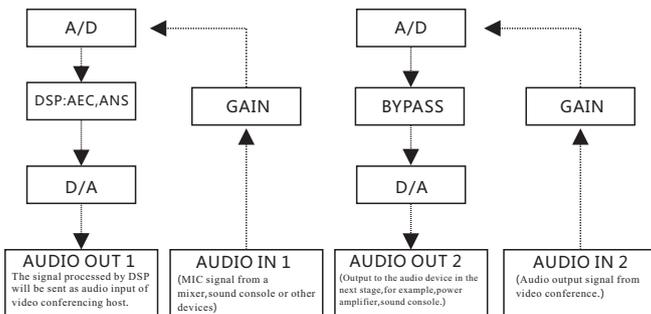
## MANUAL OF ACOUSTIC ECHO CANCELLER

Audio echo canceller provides the most advanced ultra-wideband acoustic echo cancellation technology in the industry to completely eliminate acoustic echo between speakers and microphones. Its echo path length can be set to support the maximum echo tail up to 512ms and can be detected with both parties talking at the same time. It is also effective even in strong background noise and nonlinear distortion environment, and the residual echo during the double-talking does not increase; Build-in noise suppression algorithm can eliminate environmental noise. In addition, automatic gain control algorithm is added. More surprisingly, it brings full adaptation with no debugging required to audio engineers.

### ⚠ WARNINGS

Keep the device always from the water or moisture to avoid cathing fire or electric shock.

## 02 USAGE



- (1) Select the slave canon, XLR / 6.35mm plug according to the plug type of the audio equipment. Please note that the corresponding relationship between the input channel and output channel. For example, the voice of the input channel is output from the output channel 1 only.
- (2) Adjust the gain of the input channel according to the site effect GAIN(0~50DB).
- (3) Bypass function setting. Push on "Bypass X", the relative channel indicator front panel glows green echo cancellation protocol will be standby. Conversely, indicator glows orange and echo cancellation function will be enabled.

## 01 INTRODUCTION

### Front Panel Indications :



The front panel of the equipment is provided with power supply indicator and status indicator, displaying the running status of equipment. When the relative channel indicator front panel glows green feedback cancellation protocol will be standby. Conversely, indicator glows orange and echo cancellation function will be enabled.

### Rear Panel Indications :



- (1) Power: power supply switch
- (2) 12V/2A: Power supply socket
- (3) LAN: Network access, used for upgrading program.
- (4) BYPASS: Bypass functions selection.
- (5) Audio Out: Output channel, with XLR / 6.35 mm plug, outputting the audio signal of correspond input channel after processing.
- (6) GAIN: Adjust the gain of correspond channel.
- (7) Audio In: Input channel, with XLR/6.35mm plug.

## 03 SPECIFICATIONS

Digital signal processing	Echo cancellation(adaptive)、background noise reduction、gain control Sound transmission gain:10 dB Background noise reduction:14 dB
Frequency response	20Hz—20kHz
THD	≤0.002%@1kHz,+12dBu
Microphone input	XLR /6.35 mm plug maximum input level:18dBu Input impedance:≥5KΩ Input gain:0-50dB
Line output	XLR / 6.35 mm plug maximum output level:18dBu Output impedance:100Ω (Balance)
Environmental requirements	Operating temperature:0℃—50℃ Storage temperature:-30℃—70℃ Humidity: 80% maximum, no n-condensing
General characteristics	Surface decoration: metal front panel Plating-coated steel chassis
Dimensions	H×W×D:430×242×44 mm
Display	LED
Weight (kg)	2.4Kg
Power voltage	12V DC,2A
Power consumption	<10W
Parts Warranty	1 year