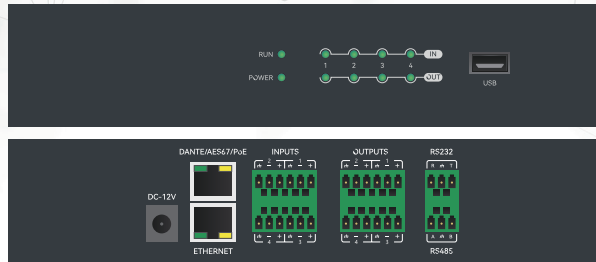
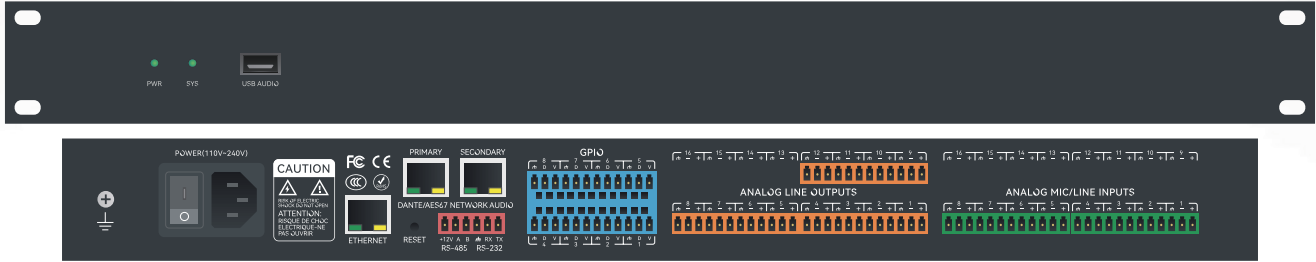


## ALF-DSP44-U / ALF-DSP44-UD



## ALF-DSP88-U / ALF-DSP88-UD



# TECHNICAL SPECIFICATIONS

	ALF-DSP44-U	ALF-DSP44-UD	ALF-DSP88-U	ALF-DSP88-UD
<b>I/O</b>				
<b>ANALOGUE</b>	4-in / 4-out	4-in / 4-out	8-in / 8-out	8-in / 8-out
<b>DIGITAL</b>	-	4-in / 4-out	-	8-in / 8-out
<b>USB</b>	1-in / 1-out	1-in / 1-out	1-in / 1-out	1-in / 1-out
<b>PROCESSING</b>				
<b>PROCESSOR</b>	ADI SHARC 21489(x1)	ADI SHARC 21489(x2)	ADI SHARC 21489(x2)	ADI SHARC 21489(x2)
<b>SAMPLING RATE/ DIGITIZING BIT</b>	48KHz / 24bit	48KHz / 24bit	48KHz / 24bit	48KHz / 24bit
<b>SYSTEM LATENCY</b>	<3ms	<3ms	<3ms	<3ms
<b>INPUT &amp; OUTPUT SPECIFICATIONS</b>				
<b>INPUT GAIN</b>	0 – 48dB in 6dB Steps	0 – 48dB in 6dB Steps	0 – 48dB in 3dB Steps	0 – 48dB in 3dB Steps
<b>PHANTOM POWER</b>	48V	48V	48V	48V
<b>FREQUENCY RESPONSE (20-20KHz)</b>	±0.5dB	±0.5dB	±0.3dB	±0.3dB
<b>MAXIMUM LEVEL</b>	+18dBu	+18dBu	+18dBu	+18dBu
<b>THD + NOISE</b>	0.003%	0.003%	0.003%	0.003%
<b>ANALOGUE NOISE FLOOR</b>	-94dB	-94dB	-94dB	-94dB
<b>INPUT DYNAMIC RANGE</b>	110dB	110dB	110dB	110dB
<b>OUTPUT DYNAMIC RANGE</b>	112dB	112dB	112dB	112dB
<b>BACKGROUND NOISE (A-WEIGHTED)</b>	-96 dBA	-96 dBA	-96 dBA	-96 dBA
<b>CHANNEL ISOLATION @1KHz</b>	-108 dB	-108 dB	-108 dB	-108 dB
<b>INPUT IMPEDANCE</b>	5.4KΩ	5.4KΩ	5.4KΩ	5.4KΩ
<b>OUTPUT IMPEDANCE</b>	600Ω	600Ω	600Ω	600Ω
<b>AUDIO PROCESSING MODULES</b>				
<b>ACOUSTIC ECHO CANCELLATION (AEC)</b>	Y (2-channels)	Y (2-channels)	Y (1-channel)	Y (1-channel)
<b>AMBIENT NOISE COMPENSATION (ANC)</b>	-	-	Y	Y
<b>AUTO MIXER</b>	Y	Y	Y	Y
<b>AUTOMATIC GAIN CONTROL (AGC)</b>	Y	Y	Y	Y
<b>AUTOMATIC NOISE SUPPRESSION (ANS)</b>	Y	Y	Y	Y
<b>COMPRESSOR</b>	Y	Y	Y	Y
<b>DELAY</b>	Y	Y	Y	Y
<b>DUCKER</b>	-	-	Y	Y
<b>EXPANDER</b>	Y	Y	Y	Y
<b>FEEDBACK SUPPRESSOR</b>	Y	Y	Y	Y
<b>GRAPHIC EQUALIZER</b>	-	-	Y	Y
<b>HIGH/ LOW PASS FILTER</b>	Y	Y	Y	Y
<b>LIMITER</b>	Y	Y	Y	Y
<b>MATRIX</b>	Y	Y	Y	Y
<b>NOISE GATE</b>	-	-	Y	Y
<b>PARAMETRIC EQUALIZER</b>	Y	Y	Y	Y
<b>CAMERA CONTROL</b>	-	-	Y	Y

CONTROL & INTERFACE OPTIONS				
ETHERNET	1 LAN	1 LAN / 1 DANTE	1 LAN	1 LAN / 2 DANTE
SERIAL PORT	1 RS-232 / 1 RS-485	1 RS-232 / 1 RS-485	1 RS-232 / 1 RS-485	1 RS-232 / 1 RS-485
GPIO	-	-	8GPI / 8GPO	8GPI / 8GPO
MECHANICAL				
POWER REQUIREMENTS	DC12V/PoE48V	DC12V/PoE48V	AC110~240V,50Hz/60Hz	AC110~240V,50Hz/60Hz
POE POWER REQUIREMENTS	POE	POE	Not Supported	Not Supported
MAXIMUM POWER CONSUMPTION	20W	20W	25W	25W
RACK SPACE	0.5U (Half Rack)	0.5U (Half Rack)	1U	1U
DIMENSIONS (W x D x H)	215 x 162x 44mm	215 x 162x 44mm	482 x 260 x 45mm	482 x 260 x 45mm
OPERATING TEMPRATURE	0 - 40°C	0 - 40°C	0 - 40°C	0 - 40°C
SHIPPING WEIGHT	2KG	2KG	4KG	4KG

## SOFTWARE

### A Windows PC with :

- Intel i5 processor or higher
- 8 GB or higher memory
- 1 GB free storage space
- Windows 7 or higher version
- Minimum 1920 x 1080 resolution
- 24 bit or higher color
- Network (Ethernet) port

### Software Installation:

Visit the device web page address: **169.254.10.227**

1. Download software from the website below and install files.
2. Double click the downloaded file, and install by following the instructions on the screen. After the software is installed, read other parts of the help file or execute the software.

### After the software is installed, use one of the following methods to open the software:

1. Double Click Desktop Icon
2. Open From Start menu

