

VGA & Stereo Audio CAT5 Extender Series With Skew Corrector and Chainable Output

ITEM NO.: VE02ALS VGA & Stereo Audio CAT5 Extender 300M with Skew Corrector and Chainable Output



VE02ALS is designed for VGA with Stereo Audio signal over cost effective CAT5 cable to instead of VGA and Audio cable. The receiver VE02DALS receiver built in skew corrector function which could reach optimum video performance under long cable run. With chainable function allow to [daisy chained another VE02DALS to extended working range over 300 meters and multiple displays.](#)

VE02ALS VGA & Audio CAT5e Extender 300M with Skew Corrector

- Extends VGA and stereo audio over one CAT5e cable.
- Each set including one piece VE02ALT transmitter and one piece VE02DALS receiver.
- Support analog stereo audio.
- Digital transmission on analog stereo audio for sound undistorted.
- Supports up to 1920x1200 @60Hz.
- Long range transmission up to 300 meters (Max.)
- VE02DALS receiver built in RGB skew adjustment for the optimum video performance under long cable run.
- It could be daisy chained for another VE02DALS to extended working range over 300 meters and multiple displays.
- Built in equalization, gain adjustment.
- Digital transmission on analog stereo audio for sound undistorted.
- support LPCM 44.1K、48K、96K / 16bit stereo decode function, digital and analog could simultaneously output. Dolby Digital (AC3) and DTS digital output supported.
- Application for airports, train & bus stations, window display, trades shows, exhibitions.
- **Optional model: VE02DALS VGA & Stereo CAT5 Receiver– Built in Skew Corrector**

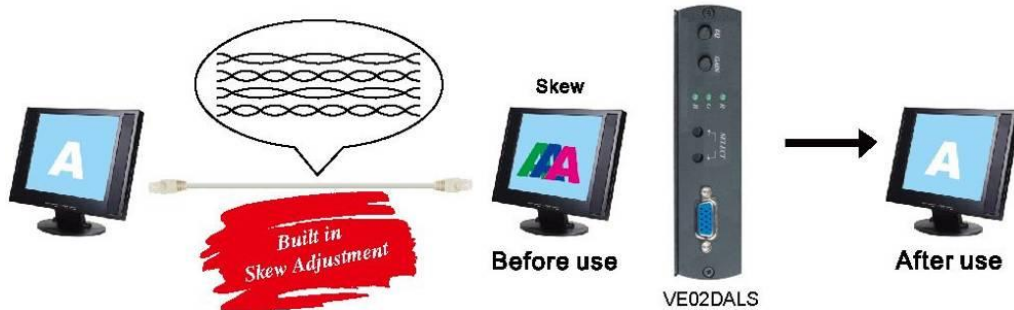
View of installation:



Optional model: (Order separately)

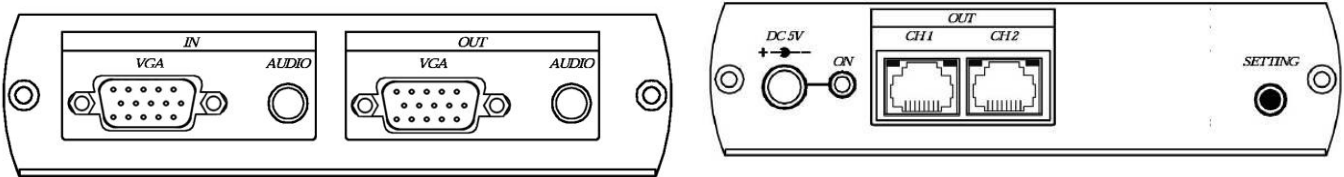
VE02DALS VGA & Stereo CAT5 Receiver– Built in Skew Corrector

- Work with VE02ALTVGA transmitter as a high quality receiver.
- Built in RGB skew adjustment for the optimum video performance under long cable run.
- It could be daisy chained for another VE02DALS to extended working range over 300 meters and multiple displays.

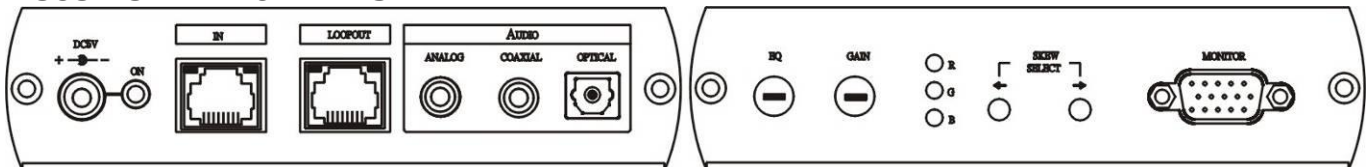


Panel View:

Transmitter: VE02ALT



Receiver: VE02DALS



Cable:

Video Link cable use high quality CAT5E UTP/STP or CAT6 UTP cable. Please noted STP cable could enhance noise rejection, but also less transmission range and picture sharpness quality.

RJ45 Define:

- Link Cable (TIA/EIA-568-B)**
- | | |
|-----------------|---------------|
| 1. Orange-white | Video Blue - |
| 2. Orange | Video Blue + |
| 3. Green-white | Video Green - |
| 4. Blue | Audio + |
| 5. Blue-white | Audio - |
| 6. Green | Video Green+ |
| 7. Brown-white | Video Red- |
| 8. Brown | Video Red+ |

VE02ALT LED:

Blue (front panel): power on/off

RJ45 LED (Link cable connector):

Green: status (Refer the below)

Yellow: status (Refer the below)

VE02ALT status indication:

CH1 ~ CH2

Green on/off: VGA Signal

Green flash : EDID checksum error

Yellow on: Use monitors DDC

Yellow off : Use built in DDC

Yellow flash: monitor EDID checksum Error

Yellow, Green, Blue all flash : Memory error

VE02ALT local unit EDID set up:

Setup Monitor EDID: When Yellow LED off, press "SETTING" button until Blue LED flash, then release the "SETTTING" button, yellow LED will be on.

Setup Built in EDID : When Yellow LED on, press "SETTING" button until Blue LED flash, then release the "SETTTING" button, yellow LED will be off.

Reset factory default: Unplug the power, then press "SETTTING" button until reconnect power and Blue LED flash.

Auto Backup EDID : Change new monitor,it will start the monitor EDID backup.

VE02DALS Receiver Connection Port:

VGA IN	VGA signal input
VGA OUT	VGA signal LOOP OUT output
AUDIO IN	Analog stereo audio input.
AUDIO OUT	Analog stereo audio input LOOP OUT output
COAXIAL IN	Coax digital audio input.
COAXIAL OUT	Coax digital audio LOOP OUT output
OPTICAL IN	Optical digital audio input
OPTICAL IN	Optical digital audio LOOP OUT output
OUT 1 – 10	Remote Cat.5e output
DC 5V	Power input
CONSOLE	Reserve

VE02DALS Receiver LED Indication:

Bule	ON/OFF	Power
RJ45 Green	ON/OFF	Video Signal
	Flash	Non-Detected Sync Signal
RJ45 Yellow	ON/OFF	Digital Audio Signal
	Flash	Analog Audio input distortion

VE02DALS ON/OFF Instruction:

EDID	←	Use external (Loop Out) EDID.
	→	Use Internal default EDID.
AUDIO	←	select digital audio input
	→	select analog audio input

Caution:

The wiring must away from any equipment with electromagnetic wave, i.e.:
microwave, cell Phone, wireless AP, radio equipment, power lines in order to avoid interference or affect picture quality, reliability.

VE02ALS Package Include:

VE02ALT Transmitter x 1 pcs
VE02ALR Receiver x 1 pcs
VGA cable 90cm x 1 pcs
Audio cable 80cm x 1 pcs
Mounting Screw pack x 1 bags
5V 2AMP Power Adapter x 2 pcs

Specification:

ITEM NO.	VE02ALT	VE02DALS
Resolution	Up to 1900 x 1200 @ 60 Hz	
Video Bandwidth	Local 750MHz / Remote 350MHz-3db	122MHz(-3dB)
Video Output	RGB Analog, 75Ω, 0.7Vp-p	
Sync Output	H/V Separated, 5V TTL	
Horizontal Frequency	30-95 KHz	
Vertical Frequency	50-180 Hz	
VGA Connector	DB15 x 1	
Audio Bandwidth	20-20KHz (-3dB)	
Link Connector	RJ45 x 2	
Analog Audio Output	10KΩ, 3Vp-p (Max)	
Analog Audio Connector	3.5mm Stereo Phone jack x 1	
Skew Adjustment	X	0 - 62ns (2ns Step)
Max Distance	Up to 1000 ft. (300M)	
Power Supply	5V DC 2000mA	
Power Consumption	700mA (Max)	1000mA (Max)
Dimensions mm	125 x 95 x 30	125 x 95 x 30
Weight g	270	285



Rev. A