xantech®

VDA51
Dolby® Virtual Speaker Surround Processor
Digital-to-Analog Converter

INSTALLATION INSTRUCTIONS

DESCRIPTION
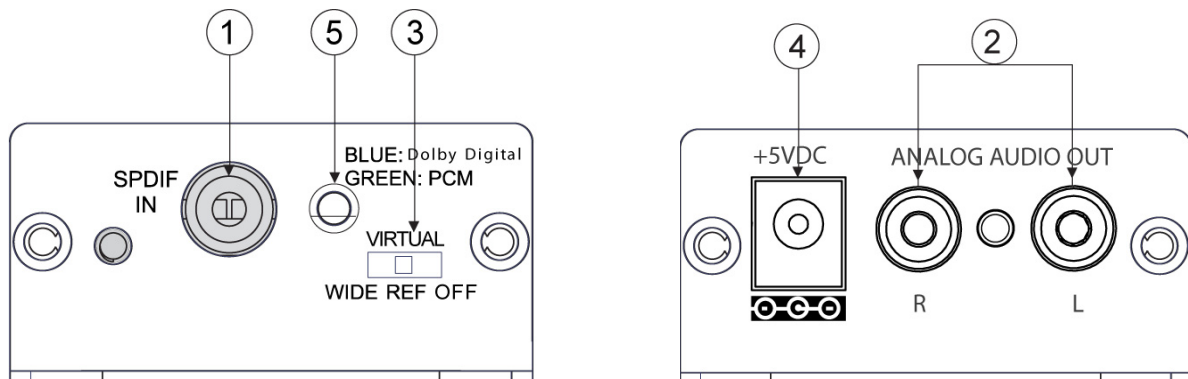The Xantech VDA51 Dolby® Virtual Speaker Surround Processor/Digital-to-Analog Converter is designed to decode PCM or DOLBY DIGITAL encoded digital audio, and to output it as left and right analog line level audio. Thanks to its built in Dolby Virtual Speaker surround processing capability, the VDA51 is also able to decode any surround information that may be present in this digital audio signal. The result is lifelike surround audio experience from a pair of stereo speakers.

INSTALLATION
- The VDA51 can be placed at coaxial digital output of a source unit, and its analog audio output can be routed to an analog pre-amp/amplifier, or to line level analog audio inputs of a multiroom system such as the Xantech MRC88m.
- The VDA51 can also be connected to the SPDIF output of a Xantech HDRXSG01 HD video single gang receiver box to provide analog audio a any zone of a multiroom system comprised of HD88C or HD44C HD Component Video Switcher.
- Make connections in the following order (numbered callouts correspond to the figures below):

- o Connect coaxial digital out from an audio or AV source with coaxial digital out, or from Xantech HDRXSG01, to VDA51 SPDIF IN (1), using a single male-to-male RCA patch cord.
- o Connect Left and Right RCA output from VDA51 (2) to a Pre-amp/Amplifier or a multiroom system controller's line level input, using a dual male-to-male RCA patch cord.
- o Select WIDE or REF (these are Dolby Virtual Speaker settings), or OFF (no virtualization), using the VIRTUAL slide switch (3) on VDA51. Each setting will provide a different level of surround information and listener experience. Please note that the amount of surround effect heard can be dependent on the amount and type of encoding that is used during the recording process and may not be obvious with every listening material. Some empirical listening and experimentation will be necessary in choosing the desired setting.

o   Select the correct AC plug for your geographical region, and install it on the included AC adaptor.
o   Connect the included AC adaptor to VDA51 DC input (4).
o   Connect the AC adaptor to a live AC wall outlet.
o   Make sure that there is digital audio being supplied to the digital input of VDA51.
o   Check to see that the small LED indicator (5) next to MODE switch is on. The LED will be green if it is decoding stereo PCM audio. It will be blue if it is decoding Dolby Digital audio.

SPECIFICATIONS

Input: Coaxial RCA digital audio, PCM stereo or Dolby Digital

Output: Left and Right RCA analog

Frequency Response: 20Hz to 20kHz, (+/- 0.5 dB)

THD: 0.025%

Power Requirement: Input: 100V~240V AC, Output: 5V DC (use Xantech supplied power supply only)

Dimensions (W x H x D):

   Unit: 4-3/4" x 1" x 1-15/16" (119 x 25 x 48 mm)

   Single pack carton: 7-1/4" x 3-1/2" x 6-1/2" (185 x 85 x 165 mm)

Weight:

   Unit: 0.25 lbs (0.12 kg)

   Single pack carton: 0.85 lbs (0.40 kg)

LIMITED WARRANTY
Xantech® warrants this product to be free of defects in materials or workmanship, for a period of 2 years from the date of documented purchase by the original consumer. Any products returned to Xantech and found to be defective by Xantech within the warranty period will be repaired or replaced, at Xantech's option, at no charge. Xantech will not be responsible for the actual cost of installation or removal of the product, nor for any incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights. You may have additional legal rights that vary from state to state.

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