

# V-BOX MARK II

## STEREO ISOLATE DIRECT BOX

### INTRODUCTION

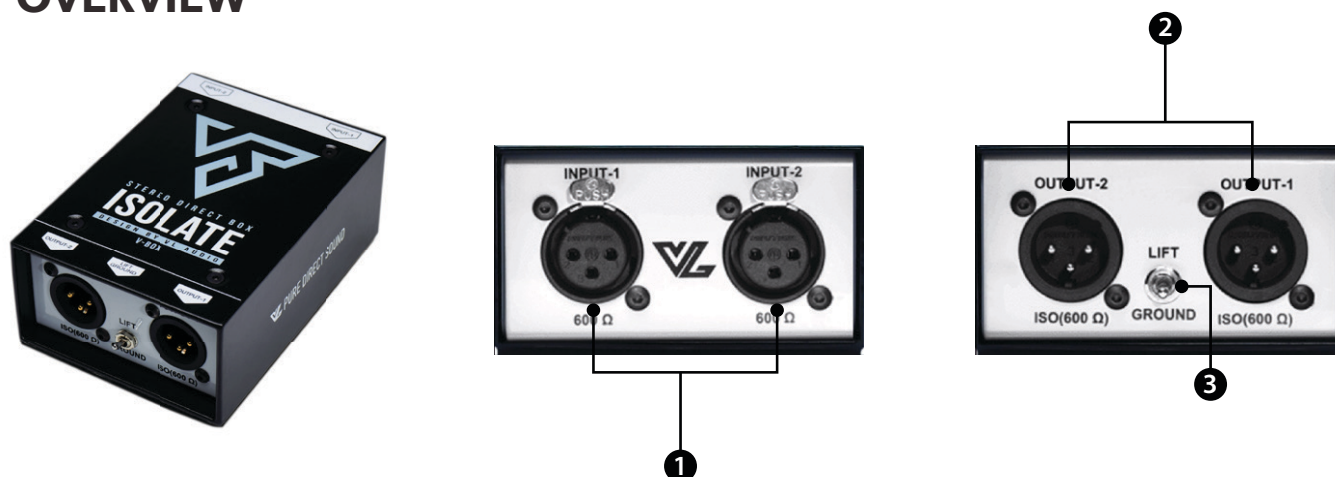
The V-BOX Isolate is a high performance two channel balanced line-level isolator that provides transformer-based isolation between various pieces of pro audio equipment to eliminate hum and buzz caused by ground loops.



### FEATURE

- Stereo isolator withstands up to +24dBu
- Eliminates hum and buzz caused by ground loops
- VL transformers provide exceptionally linear response

## OVERVIEW



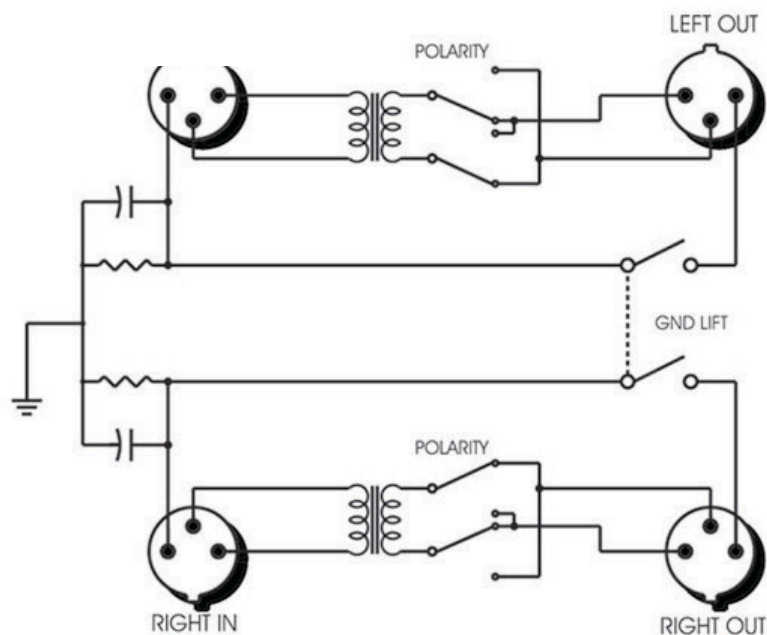
**1.Line-level Inputs** Balanced Input, Female XLR Connectors.

**2.Line-level Outputs** Balanced Output, Male XLR Connectors.

**3.Ground/lift Switch** Disconnects XLR Pin-1 On Both Input-1 And Input-2

## BLOCK DIAGRAM

Twin-Iso Block Diagram



## TECHNICAL SPECIFICATIONS

|                |                           |                                                 |
|----------------|---------------------------|-------------------------------------------------|
| SPECIFICATIONS | Audio circuit type        | Passive line-level isolation, transformer based |
|                | Transformer               | VL Transformer                                  |
|                | Number of channels        | Stereo (dual mono)                              |
|                | Frequency response        | 20Hz - 20kHz                                    |
|                | Dynamic range             | 135dB                                           |
|                | Total harmonic distortion | 0.0005% @ 1k, +4dBu                             |
|                | Phase Deviation           | 0.3° @ 20Hz, 0.1° @ 100Hz                       |
|                | Input Impedance           | 600Ω, balanced                                  |
|                | Output Impedance          | 600Ω, balanced                                  |
|                | Maximum Input             | +24 dBu @ 1kHz, 1% THD+N                        |

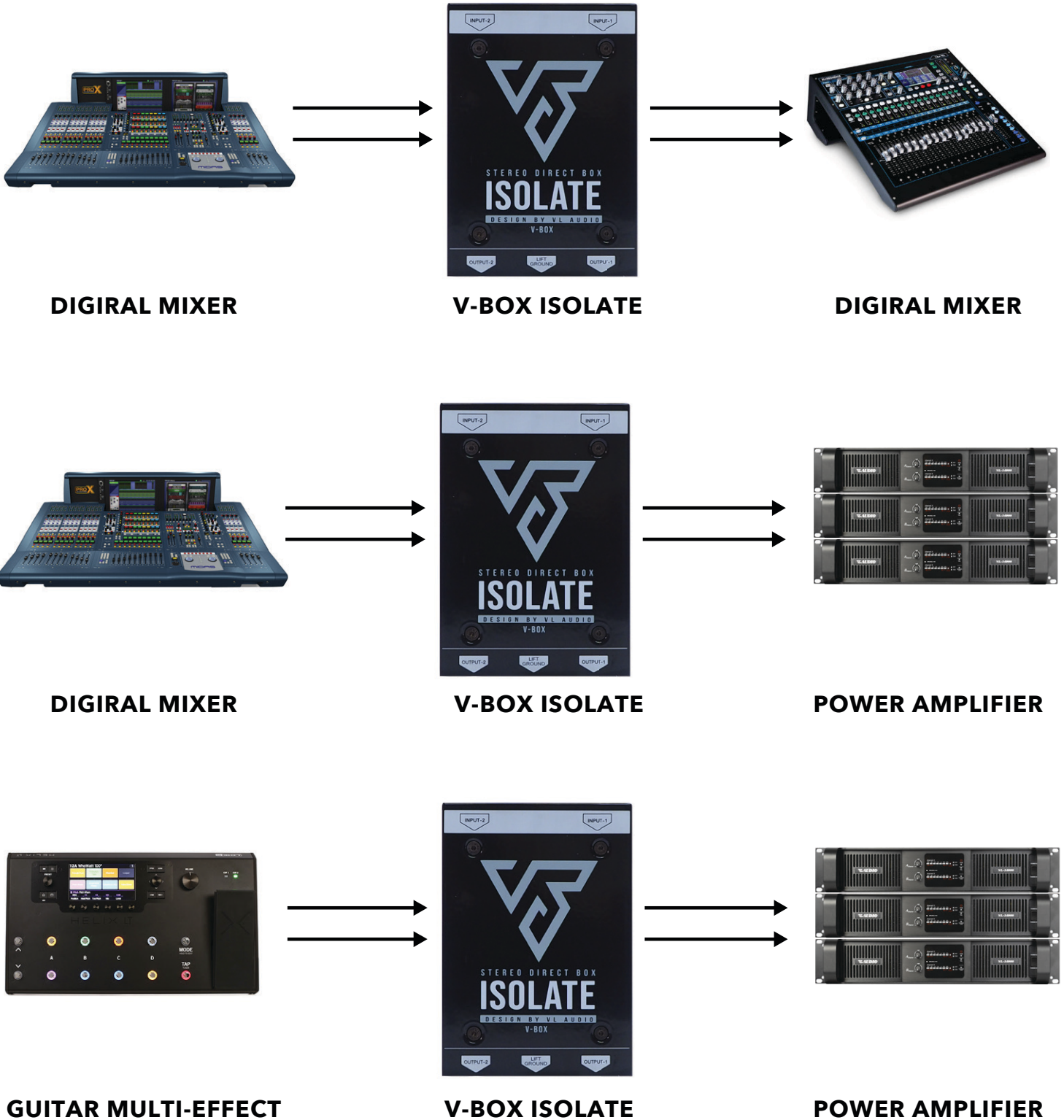
|          |                   |                     |
|----------|-------------------|---------------------|
| FEATURES | Ground lift       | Yes                 |
|          | Input Connectors  | 2 XLR female inputs |
|          | Output Connectors | 2 XLR male inputs   |

|         |            |                               |
|---------|------------|-------------------------------|
| General | conditions | For use in dry locations only |
|         | Warranty   | Life time                     |

|      |        |          |
|------|--------|----------|
| Size | Height | 4.8 cm.  |
|      | Width  | 8.3 cm.  |
|      | Depth  | 12 cm.   |
|      | Weight | 0.55 kg. |

|                       |                |          |
|-----------------------|----------------|----------|
| Shipping informations | Package Height | 5.4 cm.  |
|                       | Package Width  | 9.8 cm.  |
|                       | Package Depth  | 13.5 cm. |
|                       | Package Weight | 0.64 kg. |

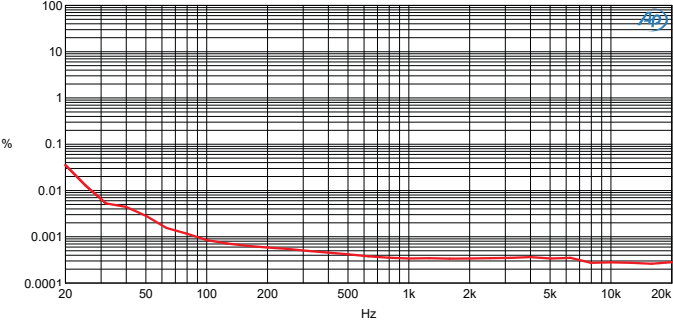
## APPLICATIONS



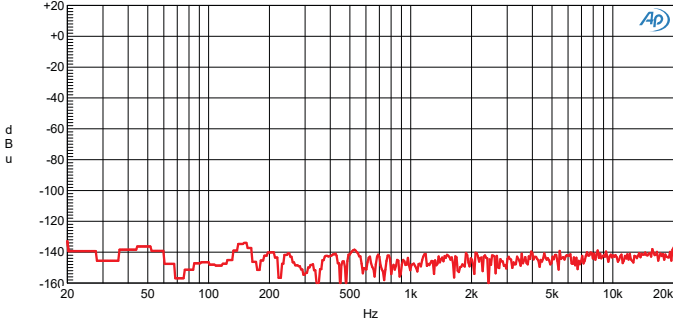


GRAPHS

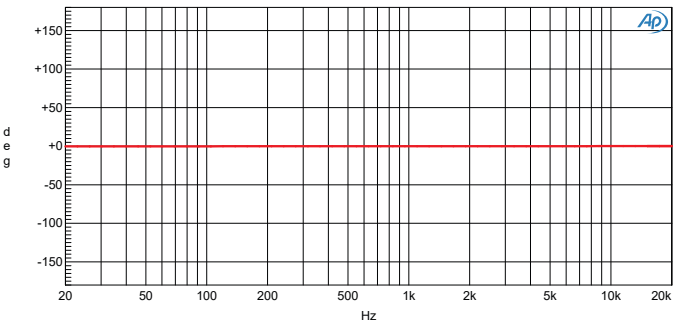
Stereo Direct Box Isolate Total Hamonic Distortion vs Frequency



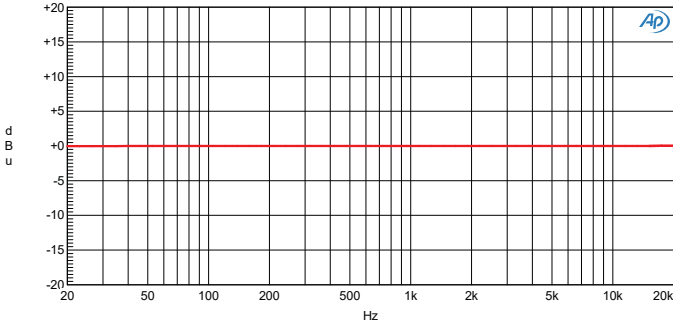
Stereo Direct Box Isolate Noise Spectrum



Stereo Direct Box Isolate Phase Shift



Stereo Direct Box Isolate Frequency Response



Stereo Direct Box Isolate Fast Fourier Transform

