

SAFETY INFORMATION

Before you use this TW AUDIO product, read the manual carefully.

Loudspeakers can be checked and stamped according to BGV C1 by official departments. For more information contact TW AUDIO at info@twaudio.com or +49 (0) 71 41 - 48 89 89 0

GENERAL

The VERA36 is a symmetrical designed loudspeaker, equipped with - 2x 10" drivers, - 2x 8" and - 2x 1,4" drivers adapted to a waveformer with 80 or 120 dispersion variable horns.

VERA36 as default is available in black colour and polyurea coating. Any different RAL color is possible only with warnex structure paint.

The VERA36 is designed to be driven with a DSP equipped amplifier. TW AUDIO provides presets for the Powersoft K3DSP AESOP or LAB PLM system amplifiers. As an external controller for other amps it's recommended to use the LAKE LM26 or LM44.

The VERA36 always requires a dedicated preset loaded on the amplifier/controller. Do never use the VERA36 without this preset. Always be aware to have the correct preset loaded on your system amplifier before connecting the loudspeaker. Be sure that the internal connections in the amplifier rack are identical to shown on Fig 3.

For VERA36 always use the output 2 (first amplifier) or 4 (second amplifier) on APL4 panel.

For best performance vertical array system requires proper optimization depending on it's size, curvature, weather condition and the room acoustics. For best system optimization TW AUDIO recommends professional acoustical measurements tools (phase and magnitude response).

Use EASE Focus 2 to find correct array settings.

COMBINATION WITH OTHER PRODUCTS

VERA36 can be combined with any TW AUDIO subwoofers products. Be sure about proper time alignment.

VERA36 can be flown together with S33 (2 x RF900 are required, one on the top, one below S33)

Study VERA36 rigging guide for more array setups possibilities and instructions.

Please see system examples papers on www.twaudio.com for system combinations and setup examples.

ACCESSORIES

VERA36 can be flown (RF900, SF36), ground-stacked (RF900, ORF900) or stacked on S33 subwoofers (RF900, GSK36, BLS)

If you have any questions about your product don't hesitate to contact TW AUDIO on support@twaudio.com or by phone +49 (0) 71 41 - 48 89 89 56

| | | |
|-----------------|-------|-----------------------------|
| VERA36 | | |
| Frequency range | [Hz] | 48 - 18 000 |
| Power pgm/peak | [W] | LF: 1000/2000, HF: 800/1600 |
| Impedance | [Ohm] | LF: 8, HF:12 |
| Dispersion | | 80 or 120 |
| Sensitivity | [dB] | LF: 98, MHF:110 |
| max SPL | [dB] | 141 |
| Dimensions | [mm] | 310x700x580 |
| Weight | [kg] | 38 |

FIG 1. PRESETS / REFERED TO PRESETLIST A03

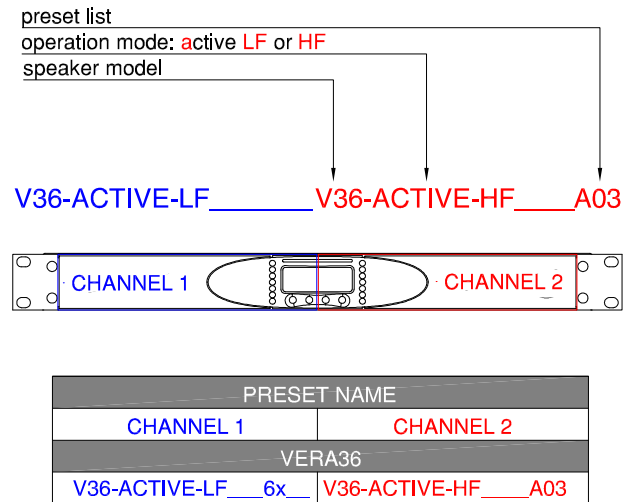


FIG 2. TYPICAL ARRAY CORRECTION

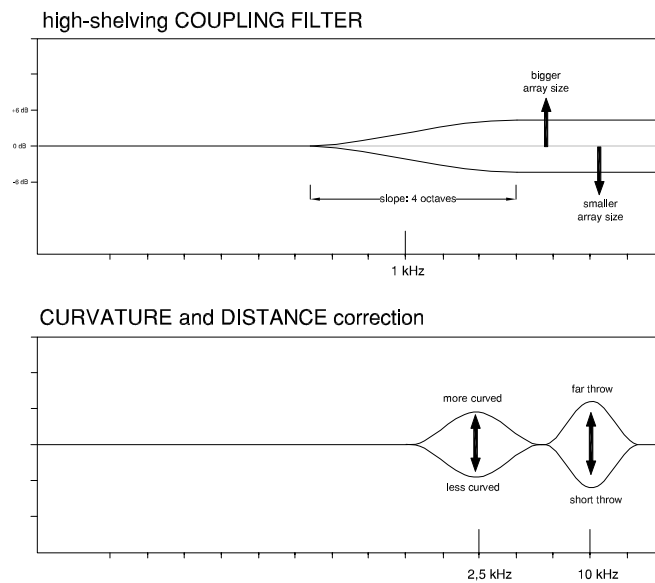


FIG 3. APL4-K AMPLIFIER RACK

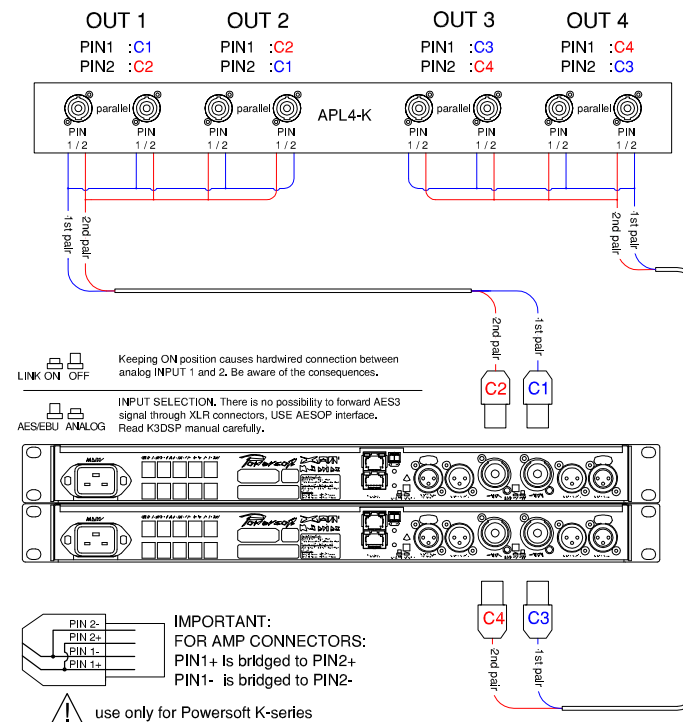


FIG 4. INTERNAL WIRING DIAGRAM

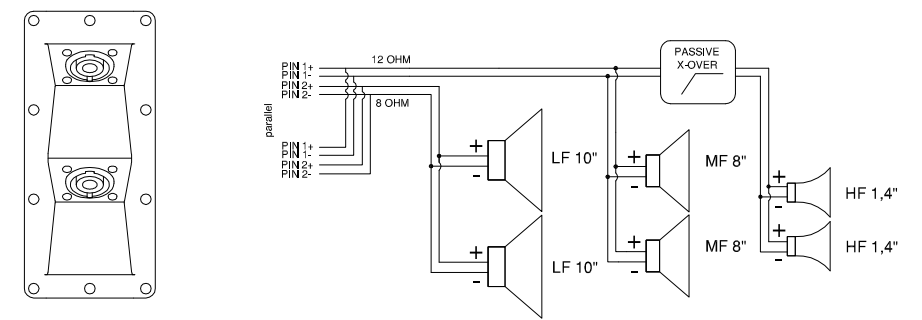
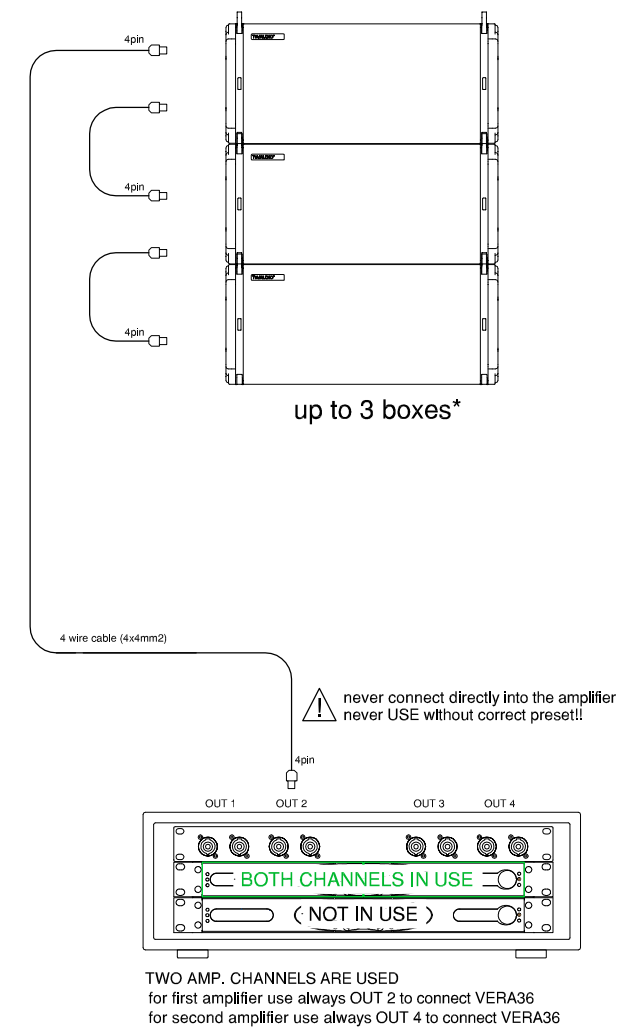


FIG 5. VERA36 - CONNECTION TO AMPLIFIER SYSTEM



***NOTE:**

- for long term high SPL requirements drive only 2 boxes on one POWERSOFT K3DSP (4/6 OHM operation)
- for lower SPL requirements, it is possible do drive up to 4 boxes on POWERSOFT K3DSP(2/3 OHM operation)

VERA36 in combination with S33

for typical live-music application it is recomended to use S33 to VERA36 in ratio 1:1 (1x VERA36 to 1x S33) for infra fulfil BSX would be an option in ratio 2:1 (2x VERA36 to 1xBSX in infra mode)

For special application requirements contact TW AUDIO on support@twaudio.de