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 VERA S15A (ACTIVE) is a flyable bass-reflex subwoofer loudspeaker, equipped with single 15" driver unit.

VERA S15A as default is available in black colour and polyurea coating. Any different RAL color can be requested (warnex structure paint)

VERA S15A 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.

VERA S15A always requires a dedicated preset loaded on the amplifier/controller when is use with TW AUDiO top loudspeaker. Do never use the VERA S15 without this preset. Always be aware to have the correct preset loaded on your system amplifier before connecting the loudspeaker. Ensure that the internal connections in the amplifier rack are identical to shown on Fig 2.

COMBINATION WITH OTHER PRODUCTS

VERA S15A can be combined with any TW AUDiO full-range products. According to Fig 1. many different presets, product combinations, are available.
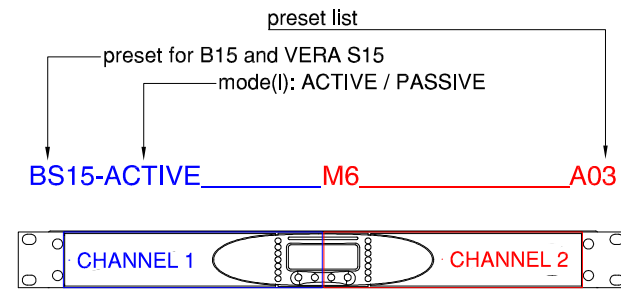
VERA S15 can be groundstacked or combined into VERA10 family array (VERA10, S18, L24). There are different hardware accessories available:
- VERA RF300 - S15 flying frame (also use for VERA10, S18, L24)
- VERA GF10 - ground frame

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

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

VERA S15A		
Frequnecy range	[Hz]	40 - 1500 (without processing)
Power pgm/peak	[W]	1200 / 2000
Impedance	[Ohm]	4
Dispersion		omni
Sensitivity	[dB]	94
max SPL	[dB]	127
Dimensions	[mm]	500x 446x 560
Weight	[kg]	23

FIG 1. PRESETS / REFERED TO PRESETLIST A03

preset list
preset for B15 and VERA S15
mode(l): ACTIVE / PASSIVE

BS15-ACTIVE_____M6_____A03

CHANNEL 1   CHANNEL 2

PRESET NAME		
CHANNEL 1		CHANNEL 2
BS18		
BS15-ACTIVE_____	M6	A03
BS15-ACTIVE_____	M8	A03
BS15-ACTIVE_____	M10	A03
BS15-ACTIVE_____	M12	A03
BS15-ACTIVE_____	M15	A03

FIG 2. APL4-K AMPLIFIER RACK

OUT 1   OUT 2   OUT 3   OUT 4
PIN1 :C1   PIN1 :C2   PIN1 :C3   PIN1 :C4
PIN2 :C2   PIN2 :C1   PIN2 :C4   PIN2 :C3

APL4-K

LINK ON OFF — Keeping ON position causes hardwired connection between analog INPUT 1 and 2. Be aware of the consequences.

AES/EBU ANALOG — INPUT SELECTION. There is no possibility to forward AES3 signal through XLR connectors, USE AESOP interface. Read K3DSP manual carefully.

IMPORTANT:
FOR AMP CONNECTORS:
PIN1+ is bridged to PIN2+
PIN1- is bridged to PIN2-

⚠ use only for Powersoft K-series

FIG 4. INTERNAL WIRING DIAGRAM
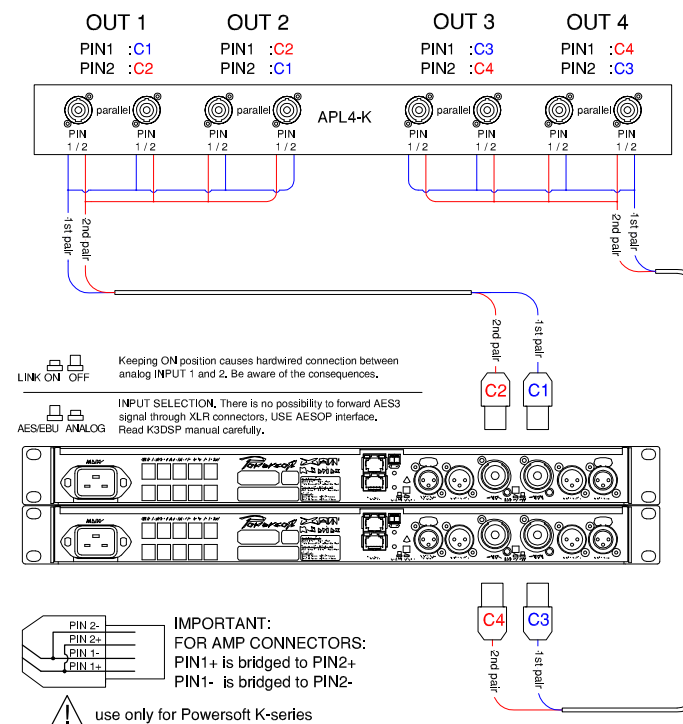

PIN 1+
PIN 1-
PIN 2+
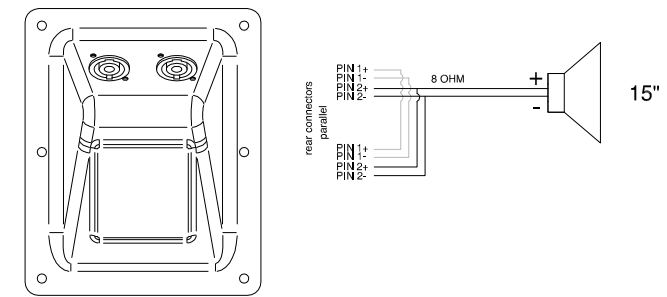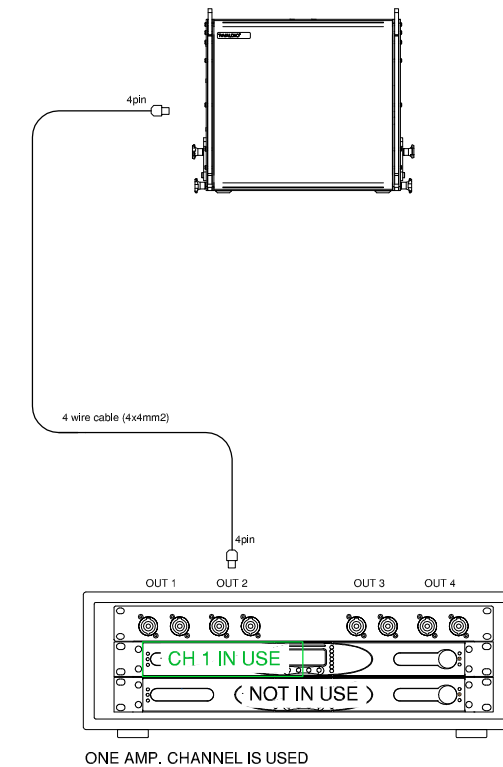PIN 2-   8 OHM   +   15"
PIN 1+   -
PIN 2+
PIN 2-

FIG 5. VERA S15A - CONNECTION TO AMPLIFIER SYSTEM

because of VERA S15's low impedance it is not recommended to connect more than one VERA S15A to single amplifier output

4pin

4 wire cable (4x4mm2)

4pin

OUT 1   OUT 2   OUT 3   OUT 4

CH 1 IN USE

(NOT IN USE)

ONE AMP. CHANNEL IS USED

*NOTE:

For lower SPL requirements it is possible to connect 2x VERA S15A in parallel to one amp's channel (2 Ohm operation)

For standalone use:
for first amplifier, first channel use OUT2 on APL4. B15 ACTIVE is driven from PIN2.

For combination with top
TW AUDiO presets are designed that first channel drives LF loudspeaker/ drivers while second amplfier channel M/HF source. For this combination always use OUT2 for first amplfier and OUT4 for second amplifier.