

The **TecnaRE SW218V** is a very powerful double 2x18" hybrid subwoofer cabinet. It has been designed for medium to long throw sound reinforcements.

The response given with this subwoofer is very deep, starting at 38 Hz. It delivers a tight punch combined with a low deep response. The acoustic loading of the Speakers, perfectly matched, prevents cones to over run maximum cone displacement. It is the perfect solution for all kind of touring systems. Castors can be supplied as an accessory.

The system can be supplied in active Pcc Version or passive one.

The design includes two very powerful 4" voice coil 18" speakers.

The system can be passive (**SW218V**), or selfpowered with remote **PC Control (SW218V PCC)**. **SW218V PCC** is self-powered with two mono modules amplification and is controlled with a DSP (**Original, Cobranet, or Advanced series**) built inside, with features such as fully parametric eqs, delay, crossover, compressors, gain controls, 30 band graphics eq, phase response alignment circuitry, etc.

With the mouse of a small laptop, the sound engineer can vary, in real time, any of the parameters on each of the speakers. After starting **TECNARE** software, the system will identify the speakers connected to the net, showing them in the network window of the program. It is only necessary to choose the speaker to be managed, and different windows will be available for the sound engineer to control everything.



## SW218V

The program allows the storage of as many presets as desired, which can be loaded at any time, ten of them without using the software, by only clicking on the rear panel.

Through this technique of operating, sound systems become much more flexible. A lot of patching is avoided reducing rack controls drastically. At the same time, equalization, crossovers, limiting, delay etc of each box no longer have to be the same, without the hieroglyphic needed to do that in a conventional way with a complex installation.

The system incorporates as standard a very powerful audio analyzer. The sound engineer can check the system's response, while modifying any of the various audio controls available on the system.

Flying hardware provision, handles and a recessed floor stand socket are included as standard.

The enclosure has been made with the latest techniques ensuring a perfect and rigid construction.

Weatherized finish is provided, as the cabinet is coated with rugged texture finish and protected with specially treated grills.

Reinventing The Rules



## SW218V ENGINEERING SPECIFICATIONS

**Frequency Response:** 38 Hz – 280 Hz  
±4dB, measured on axis.  
**Nominal Dispersion:** Omnidirectional.  
**Impedance:** 4 Ohm.  
**Sensitivity:** 103 dB (1w/1m).  
**Calculated Max Spl:** 138 dB continuous /144 dB peak.  
**Power Handling:**  
#2.000 W nominal.  
\* 4.000 W continuous.

**Dimensions (HxWxD):** 108x58x83 cm.  
**Net Weight:** 85 kg selfpowered PCC Version.

**Components:** Low 2x18" LF driver.

**Construction:** 16mm birch plywood. Finished in black semi-matt textured Duraround weatherized coating. One recessed carrying handle.  
**Grille:** Powder coated perforated steel with acoustically transparent reticulated foam.

### CONNECTORS

**Audio:**  
**Input:** XLR 3 pin female.  
**Link:** XLR 3 pin male.  
**DSP Network:**  
**Input:** XLR 5 pin female.  
**Input:** XLR 5 pin male.  
**Mains:** Neutrik Powercon male and link.

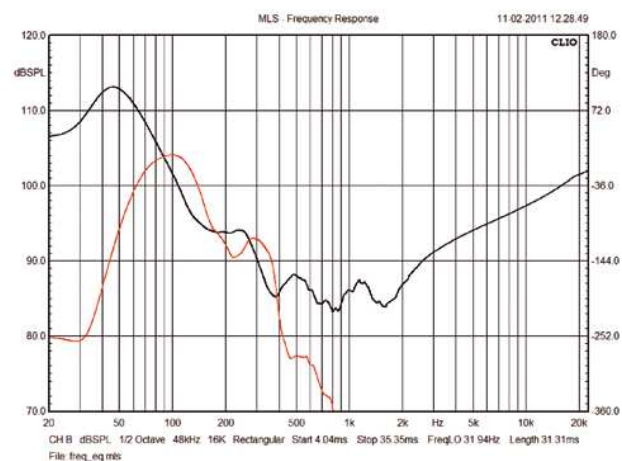
### AMPLIFIER

**Type:** Class D inc SMPA and networked DSP.  
**Power Output:** 2x1.500 watts r.m.s. @ 8 ohms (1kHz, 0.01% THD) +220 watts continuous @ 8 ohms (1kHz, 0.01% THD)  
**Dynamic Range:** 110 dB  
**Input Clip:** 10 dBu  
**Bandwidth:** 20 Hz - 20 kHz ±0.5 dB  
**Power Requirements:** 100V to 240V AC @ 50/60 Hz.

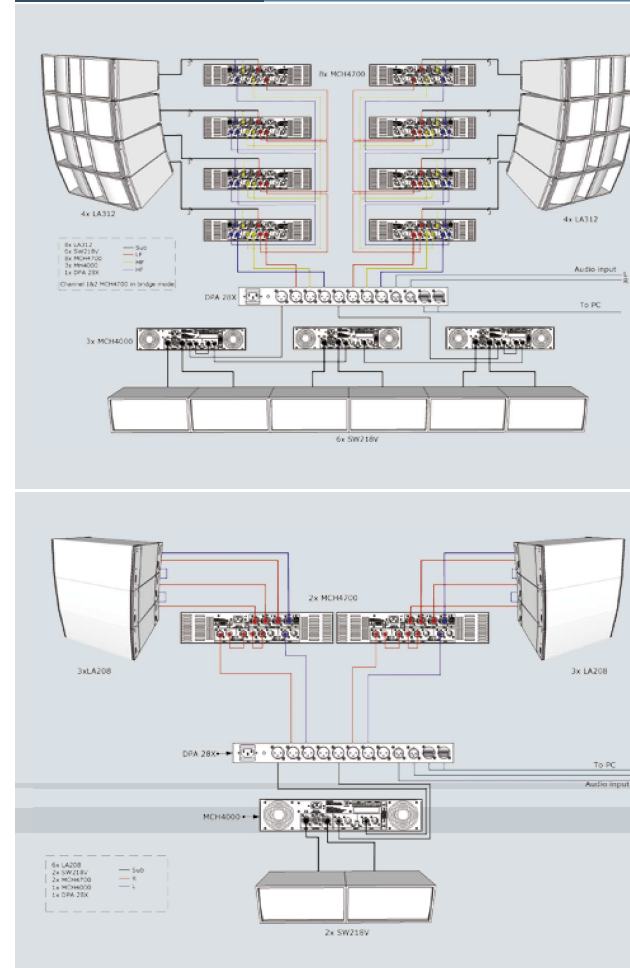
# 2 hours test made with continuous pink noise signal  
16 dB crest factor.  
\* Power calculated on rated minimum impedance.  
\* Power on Continuous Program is defined as 3 dB greater than the nominal rating.

# SW218V DATASHEET

## FREQUENCY RESPONSE & MINIMUM PHASE



# SW218V INSTALLATION DIAGRAMS



8x LA312 + 6x SW218V

6x LA208 + 2x SW218V