# ENTAR Active Series
DSP Functionality
Version1.0
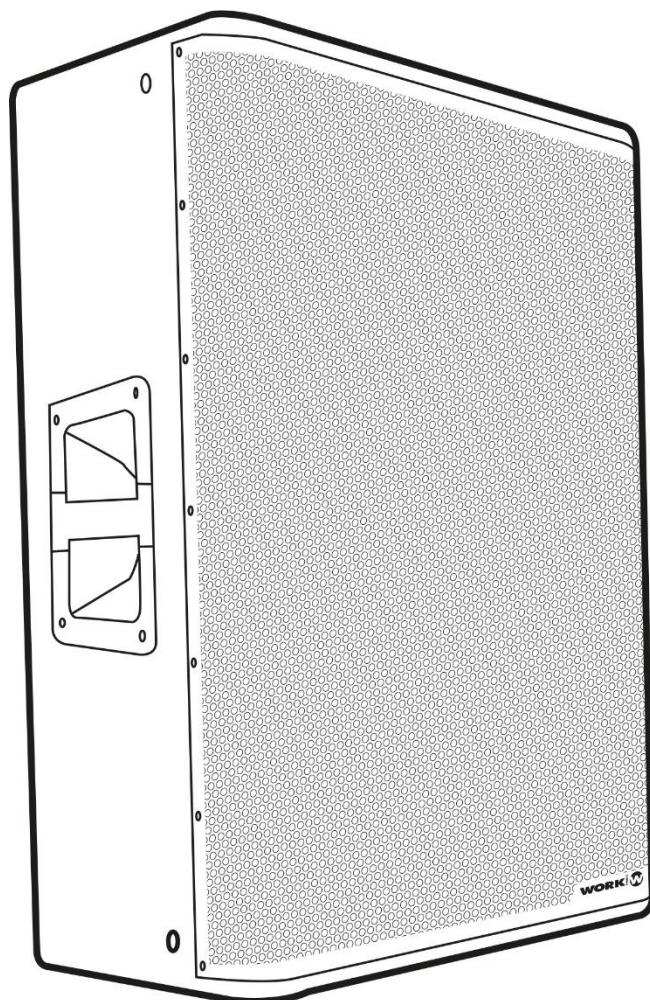
DSP FUNCTIONALITY

The active references for ENTAR Series (ENTAR 10A, ENTAR 12A and ENTAR 15A, have an integrated DSP with several functions and adjustments, allowing to modify the audio response of these elements.

1. OPERATION

All models include a display with the parameters and values and a knob with two functions: rotating it, the user can access to different menus, and pressing it, the value is confirmed.

2. INTRO DISPLAY

When you turn on the active loudspeaker, the display shows a basic information about some of the configurable parameters.

In that case, the equalization preset (NORMAL), the configured position (POLE), and the value in dB of the HF and LF frequencies.

In the downside line, the user can move through the different menus rotating the knob and pressing it.

WORK PRO

EQUIPSON, S.A. Avda. El Saler, 14 Pol. Ind. L'Altero 46460 SILLA (Valencia) SPAIN
Tel. +34 96 121 6301   www.equipson.es   equipson@equipson.es

3. MODE

Rotate the knob until MODE and press it to confirm. Now, you can Access to 4 different equalization presets and to check the final equalization curve after applying it.

The 4 presets are: **NORMAL**, **LIVE**, **CLUB** and **SPEECH**. Rotate the knob to select the chosen preset and press again to confirm.
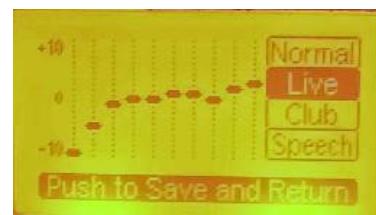
4. LOCATION

The next parameter allows to select the loudspeaker position. Therefore, this menu has 3 positions to select:

4.1 POLE

If you use a stand taking advantage of its insertion.

4.2 MONITOR

If you place the loudspeaker as stage monitor thanks to its shape.

4.3 BRACKET

In case you fix the loudspeaker on the wall using a bracket and its insertion.

5. TREBLE

This function allows to control the gain of high frequencies. Therefore, is possible to control the TREBLE response between + 10 dB to – 10 dB. The final curve is showed in the display.

6. BASS

This function allows to control the gain of low frequencies. Therefore, is possible to control the BASS response between + 10 dB to – 10 dB. The final curve is showed in the display.

7. LED

This function allows to modify the behaviour of the frontal LED. There are 3 states to choose:

7.1 OFF

The LED in the front side is ALWAYS disabled

7.2 ON

The LED in the front side ALWAYS lights in blue colour.

7.3 LIMIT

The frontal LED lights in Blue colour under normal operation, and in red color when the amplifier limits. In this last case, reduce the gain until the LED flicks.

8. HPF

With this function, is possible to add a HPF with different cut frequency. Press and select, OFF to disable the filter, or select the cut frequency: 80 Hz / 100 Hz or 120 Hz. The response will be showed in the display. Once selected the filter, press the knob again to confirm.

9. RESET

Press and select this function to reset all values.

WORK

EQUIPSON, S.A. Avda. El Saler, 14 Pol. Ind. L'Altero 46460 SILLA (Valencia) SPAIN
Tel. +34 96 121 6301   www.equipson.es equipson@equipson.es