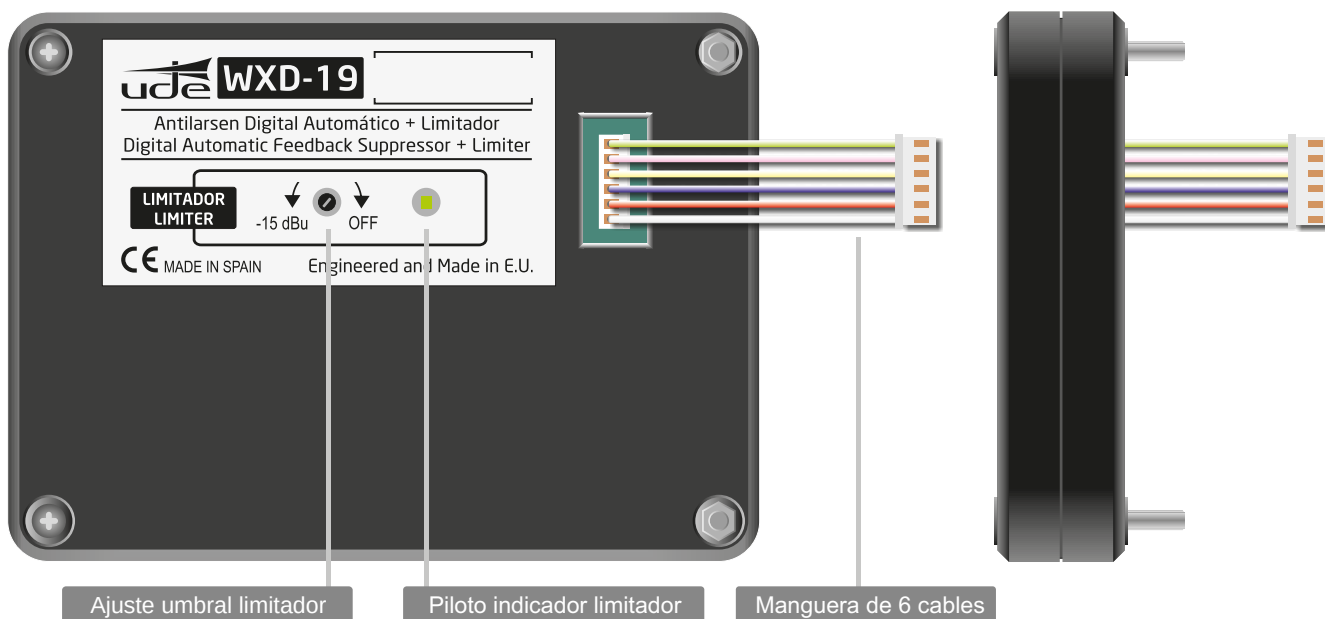


Digital automatic feedback suppressor + limiter module



Description

The **WXD-19** is an electronic module based on DSP (digital signal processor), which eliminates acoustic feedback between microphone/s and loudspeaker/s (Larsen effect), allowing a better performance of the electroacoustic system.

It is inserted directly into amplifiers and preamplifiers and series.

Anti-feedback function:

Plug-and play, no additional adjustments are required, works in an automatic mode.

Limiter function:

The limiter prevents the audio distortion when the amplifier has an excessive signal level.

To set the optimal threshold use a screwdriver (blade 2,5 x0, 5mm recommended) and tune from OFF (limiter disabled) to -15dBu (*) with desired audio input .When the limiter begins to work the LED indicator turn on, and means the signal begins to be limited reaching the threshold level.

If you want to only use the limiter without anti-larsen functionality, please request information before ordering.

(*) The level shown is the output of the processor inside the device. The total signal level depends on the gain of the electroacoustic system.

Factory settings: - Anti-feedback: **ON** - Limiter: (threshold: -15dBu.)

Technical characteristics

- Frequency range:	50 Hz. to 15.000 Hz.
- Signal / Noise ratio:	100 dB (A).
- Distortion (THD):	0,070 %.
- Digital processor:	24 bits sigma-delta.
- Sample rate:	48 kHz.
- Limiter threshold setting:	+4 dBu to -15 dBu.
- Power supply:	+/- 15 Vdc. (supplied).
- Dimensions (mm):	130 x 24 x 95.
- Weight:	100 gr.
- Color:	Black.
- Material case:	ABS molded plastic.
- Wiring and fixing:	By supplied accessories.

Assembly

- 1 - Remove the top of the unit.
- 2 - Fix the module, using the screws supplied.
- 3 - Connect the 6-wire cable to the WXD-19 connector according to drawing.
- 4 - Remove the jumper "D" and adjust the limiter threshold if is necessary.
- 5 - Replace the top of the unit.
- 6 - The device is ready for operation.

NOTE: If you remove the **WXD-19** from UDE equipment, remember to replace jumper D on its right position.

