

# SONIX FS44

## 4-Channel Hi-Precision Feedback Suppressor

SoniX FS44 is a Feedback Suppressor with 4 inputs and 4 outputs designed for all those conference applications and fixed installations where there are many microphones and many Larsen problems. This processor, thanks to its huge processing power, enables amazing results, even for users without in-depth knowledge of microphone pick-up techniques. Using it is not difficult. Simply connect the 4 inputs to 4 microphones or 4 groups of microphones, the outputs to your sound system and use the microphones as usual, starting the "Auto check" function. In just a few minutes, the algorithms analyze the audio spectrum of all sources and set the 24 filters to achieve the best possible result. Then you can refine it manually. The 24 notch filters can also be divided into static and dynamic, depending on the depth of intervention required according to the complexity of the acoustic environment. The "scenes" can be stored in 12 presets and recalled from panel or PC.



## PRODUCT DETAILS

### Key features

ADI's 4th generation SHARC processor

Core clock of up to 450MHz

Built-in 24-segment 4-channel independent high-precision adaptive digital notch filters

Automatic phase and frequency shifting functions

6-segment filters for each channel with 6-types of parametric filters/notch filters/high and low shelves/all-pass

Balanced Mic/Line Inputs with Phantom Power and Balanced Outputs

Limiter function for all 4 Channels

USB/RS485 remote connection function

PC software with multiple unit control

12 Scenes with save and recall function

Password locking function

## Specifications

|                             |                                                                  |
|-----------------------------|------------------------------------------------------------------|
| <b>Input Channel</b>        | 4 CH-XLR/TRS/LINE                                                |
| <b>Output Channel</b>       | 4 CH-XLR                                                         |
| <b>Frequency Response</b>   | 20Hz-20kHz                                                       |
| <b>Input Sensitivity</b>    | >-50dB                                                           |
| <b>Input impedance</b>      | 20kohm                                                           |
| <b>Signal noise ratio</b>   | >95dB @ Input potentiometer MIN                                  |
| <b>Auto Mix</b>             | Routing Setup                                                    |
| <b>X-over</b>               | The high and low pass types/slopes/frequencies are selectable    |
| <b>EQ</b>                   | Different filter types can be selected in 6 segments             |
| <b>Output Level</b>         | 0dB                                                              |
| <b>Scene</b>                | 12 scenes saving and calling types                               |
| <b>Notch Num</b>            | 4X24 segments, with dynamic and static Settings available        |
| <b>Speed</b>                | High, medium and low can be set                                  |
| <b>Compressor</b>           | -48 ÷ +24dB                                                      |
| <b>Panel Lock</b>           | Panel locking function with Password                             |
| <b>Display</b>              | 2.0" color TFT                                                   |
| <b>Front panel control</b>  | USB interface, key encoding wheel Settings, 48V and BACK buttons |
| <b>Rear panel control</b>   | In/Out connectors, Power connector, RS485 interface              |
| <b>Power consumption</b>    | <30W                                                             |
| <b>Power supply</b>         | AC90V ÷ AC240V / 50-60Hz                                         |
| <b>Product Size (WxDxH)</b> | 483 x 226 x 45 mm (19 x 8.8 x 1.78 in.)                          |
| <b>N.W / G.W.</b>           | 2.8Kg / 3.2Kg (6.17 / 7.05 lbs.)                                 |