

User's Manual

Intelligent Audio Feedback Suppressor



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Key Features

The equipment can automatically detect the howling signals and filter the noise through DSP system, it has the function of auto bass compensation and mixing, high speed feedback suppression which work together to eliminate digitally the audio feedback to the maximum extent. When using multiple microphones simultaneously, it will adapt to the acoustic environment automatically without adjusting operation. The quick calibration function guarantees high sound quality and reduce signal delay. Three options of high, medium and low input electrical level are available which will help prevent peak input distortion and extend sound pickup distance by 30~100cm.

Adjusting Operation

- 1 This device is equipped with powerful DSP system which will filter the howling signal forwardly and actively to protect and maintain the original signals.
- 2 Adjusting operation is not a must procedure in everyday use. The device will adapt to the acoustic environment automatically (the process takes about 10 seconds) and the system will achieve additional 6~12 dB gain.
- 3 In poor condition (the machine howls repeatedly), if the sound quality become abnormal, please turn down the volume and press the quick calibration button, after few seconds of -6dB hissing noise it will restore high sound quality.
- 4 With build-in high tone attenuation regulation potentiometer, this equipment is able to work with various microphones to avoid howling to the maximum extent.

Technical Parameters

Rated voltage: 220V \pm 10% 50Hz
Power consumption: 7W
Sampling rate: 32KHz
Frequency response: 125Hz~15KHz(voice mode)
20Hz~15KHz(music mode)
Distortion: <0.1%@1KHz
Signal-to-noise ratio: >90dB
Signal delay: 7ms (Music mode)
11ms (Voice mode)
Input impedance: 20K Ω
Out put impedance: 200 Ω
Temperature range: -10~55 $^{\circ}$ C
Weight: 2.5kg
Dimensions: 480x220x44mm

Precautions

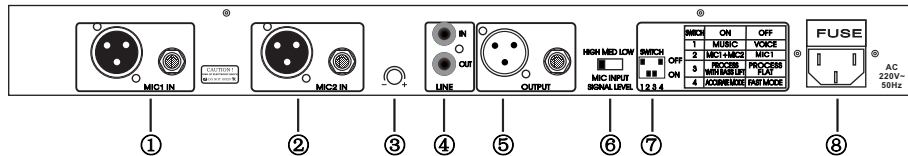
1. Make sure use the correct voltage before installing and operation.
2. For better ventilation, reserve minimum 50cm space around the devices.
3. During working, do not cover the cooling holes with anything such as newspaper, tablecloth and curtain. Failure to follow this instruction may result in overheating.
4. Do not place any flaming material on the device. For example, burning candle is prohibited.
5. Be sure to use the product in locations with good ventilation. Avoid using, placing or storing the equipment in areas subject to high temperature, strong sunlight and heavy humidity.
6. Do not allow the device to come into contact with water or any other liquids. Do not place vase or else containing liquid above the casing.
7. To avoid the risk of high-voltage shock, unskilled people are forbidden to disassemble the device.
8. Be careful not to bump, throw or shock the device strongly to avoid any possible damage.
9. The warning lightning symbol on the equipment donates danger high voltage risk. Only trained workers are qualified to perform connecting to the port with this sign. Otherwise use standard suitable soft cable.
10. When not using the device for long period, turn off the power and unplug the compact power adapter, do not turn the power on all the time.
11. Do not damage, step on or pull the power cord violently.

Front Panel Overview



- 1 Power switch
- 2 Bypass/Active switch. The lamps indicate the corresponding status.
- 3 Quick calibration button. The CALIBRATE lamp indicates the working status.
- 4 Auto maxing. If LED lights up, it means the function starts working.
- 5 Input power lever indicator.
- 6 Overload input signal indicator. If PEESENT lamp lights up, turn down the input lever to avoid the signal distortion.

Rear Panel Overview



- 1 Mic 1 input
- 2 Mic 2 input
- 3 High tone attenuation adjusting
- 4 Line in (IN), Line out (OUT)
- 5 Output port
- 6 Input power lever switch button. High level means high lever input (For example, container microphone, etc). MED means medium level input. LOW means low level input (Such as wired dynamic microphone).
- 7 Operating modes switch
- 8 Power socket

Switch button	On(Pull down) /Start up	Off (Push up) /Shut down
1	MUSIC mode	VOICE mode
2	MIC1+MIC2 dual input mixing	MIC1 input
3	PROCESS WITH BASS LIFT	PROCESS FLAT
4	ACCURATE MODE	FAST MODE

System Connecting Chart

