

PureFM-880

Mini FM transmitter





1. Power indication
2. Frequency indication
3. Noise reducing
4. screen light and Multi-function button
5. Voice increasing button
6. Battery indication
7. Volume indication
8. Microphone mute indication
9. Frequency increasing button
10. Microphone button
11. Voice reducing button
12. Frequency reducing button

### Operation Instruction:

#### **(Normal working will start in 3 seconds after power on)**

1. Microphone: The microphone should be connected well inside. Some users can't hear any sound from this, after they adjust the connection of the microphone, the problem is solved immediately.

Please use the original microphone that comes with the package, if you want to use other microphone, please kindly choose high quality ones to ensure better sound quality.

2. About Broadcasting range: The test was done in open area without obstructions. We were using Tecsun PL-600 radio as the receiver, antenna has been fully pulled out, the microphone line is stretched naturally. In this way can receive the best distance. Please kindly note that due to different working environment and sensitivity of radios, the actual broadcasting distance might be different from ideal. Since the microphone line also functions as antenna, please try to stretch that as possible as you can to strengthen the broadcasting

effect.

3. Mic volume: The volume is very crucial in operation. It should be proper. High Volume will cause distorted sound like hoarse howling, Low Volume will be weak and unclear. Firstly make sure mouth should be close to the microphone and try to keep the same distance, then adjust the volume. If the distance changes, volume should be re-adjusted.
4. About background Denoise function: The background noise components can not get rid of the noise completely, it can only reduce the noise by increasing the SNR of valid sounds, condition is the valid sound must be stronger than background noise. During using, please adjust the mic volume to proper value (recommended 6 level) and keep the distance between mouth and microphone, or there won't be ideal effect. If you are not using it in noisy places like shopping mall/restaurant and so on, please do not open the denoising function.
5. Transmitter body heat: Due to the relatively high power output especially at "3" level, there will be obviously heating on the body after using for minutes, it is a normal phenomenon, please don't worry. The temperature difference between the transmitter body and surrounding environment will not exceed 10 degrees. Please don't turn on the transmitter without connecting the microphone. Try to use the low power level to broadcast when distance is enough. The transmitter should be at least 5 meters from the radio to avoid possible damage to the radio.
6. Broadcast from other audio sources: When broadcasting from other audio sources like MP3, laptop and so on, please use proper audio cable to connect to the transmitter, adjust the volume to proper degree or there will be sound distortion. To increase the transmitting distance, please use long audio cable and keep it away from metal objects. The transmitting signal is MONO audio.

### **Technical parameters:**

- \* Weight: about 26 grams (without batteries) About 43 grams (with battery)
- \* Frequency: 76 ~ 108MHz
- \* Step frequency: 100KHz/1MHz (standard / fast)
- \* Power Supply: BL-4C Li-ion battery, 3.8V
- \* Transmit power: (1 / 2 / 3 power)  
FSN-302: 15 mW / 50 mW / 150 mW  
(Another product: FSN-302P: 150 mW / 500 mW / 800 mW)
- \* Working hours: (1 / 2 / 3 power)  
FSN-302: 13 hours / 8 hours / 6 hours  
(Another product: FSN-302P: 6 hours / 4 hours / 2 hours )
- \* Standard BL-4C 860MAH capacity
- \* The ideal distance: (1 / 2 / 3 power)  
FSN-302: 100 m / 200 m / 300 m (about)  
(Another product: FSN-302P: 300 m / 600 m / 1000 m (about))
- \* The microphone volume: 8-15dB ~ +12 dB
- \* Noise reduction: about 20dB
- \* Frequency stability: 15PPM, PLL frequency synthesizer
- \* Audio Response: 30Hz ~ 15KHz, mono Pre-emphasis 75uS
- \* Charge time: about 8 hours, charging voltage 5V
- \* Charging port: MINI-USB-4PIN
- \* Display: LCD liquid crystal display
- \* LCD backlight: blue LED backlighting
- \* Data retention: frequency / volume / power / noise / Mute and other users within the parameters  
EEDATA storage, not due to the battery power is exhausted or the battery is taken Out to lose.