

FMT5.0 User Manual



Initial preparation work:

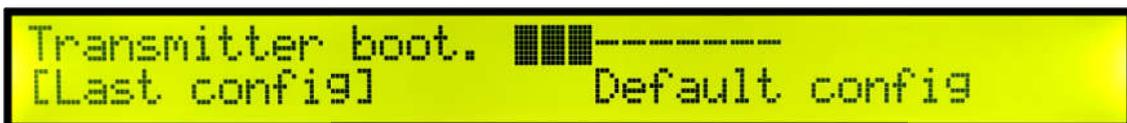
First set up the antenna cable and connect it to the transmitter's RFOUT port, then plug the power cord into the transmitter's power outlet. Next, insert the audio cable to the XLR header or RCA outlet, the outlet is divided into two channels. Connection is complete, please turn on the transmitter panel POWER button, the device starts.

Transmitter boot interface

- Model / equipment name / manufacturer information



- The transmitter starts default configuration



Transmitter boot. The progress bar enters the selected setting in about 10 seconds. Turn the knob to select, short press the knob to confirm.

Last config Last configuration, the latest shutdown configuration.

Default config default configuration, the system default frequency 98MHZ / power 0W / stereo + external modulation / audio pre-emphasis 0 / volume gain 0dB.

- PLL lock wait



Frequency setting now
Please wait for PLL lock.

Waiting time about 2-10 seconds.

- Main interface



F:108.00MHz POW:150.0W VSWR:1.0 L
DRIVE:0567 TEMP:30c MOD R

F: Current frequency POW: Current power VSWR: Standing wave ratio L Left channel level

DRIVE: Amplifier Push TEMP: Amplifier Temperature MOD Modulation Level R Right channel level

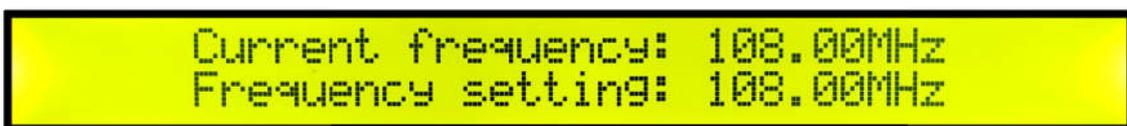
Short press the knob to enter the menu settings, turn the knob to select the desired setting menu.

- Menu 1 frequency setting

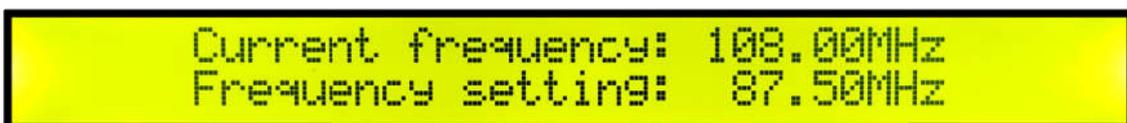


MENU 1
Frequency setting

Short press the knob to enter the frequency setting.



Current frequency: 108.00MHz
Frequency setting: 108.00MHz



Current frequency: 108.00MHz
Frequency setting: 87.50MHz

Current frequency: current frequency

Frequency setting: Set the frequency

Turn the knob to adjust the frequency setting, short press the knob to confirm the frequency setting.

```
Frequency setting now  
Please wait for PLL lock.
```

The PLL locks again for each frequency setting. After the lock is completed, return to menu 1 frequency setting.

- Menu 2 power settings

```
MENU 2  
RF power setting
```

Short press the knob to enter the power setting.

```
Current RF power: 150.0Watt Drive:0623  
RF power setting: 150.0Watt VSWR:1.0
```

```
Current RF power: 000.0Watt Drive:0000  
RF power setting: 000.0Watt VSWR:0.0
```

Current RF power: Current RF power Drive: Amplifier push

RF power setting: RF power setting VSWR: VSWR

Turn the knob to adjust the power setting, press the knob to confirm the power setting. And return to menu 2 power settings.

- Menu 3 signal modulation settings

```
MENU 3  
Signal mode setting
```

Short press the knob to enter the signal modulation setting.

```
Current signal mode: STEREO + EXT MOD  
Signal mode setting: STEREO + EXT MOD
```

```
Current signal mode: STEREO + EXT MOD  
Signal mode setting: MONO + EXT MOD
```

Current signal mode: STEREO + EXT MOD
Signal mode setting: EXT MOD

Current signal mode: STEREO + EXT MOD
Signal mode setting: STEREO

Current signal mode: STEREO + EXT MOD
Signal mode setting: MONO

Current signal mode: Current signal mode

Signal mode setting: Signal mode setting

STEREO + EXT MOD Stereo + External Modulation Input

MONO + EXT MOD Mono + External Modulation Input

EXT MOD External Modulation Input

STEREO Stereo Input

Turn the knob to adjust the signal mode setting, short press the knob to confirm the signal mode setting. And return to menu 3 signal mode setting.

Menu 4 audio pre-emphasis settings

MENU 4
Audio Pre-emphasis setting

Short press the knob to enter the short press knob to enter the signal modulation setting.

Current pre-emphasis: 0us
Pre-emphasis setting: 0us

Current pre-emphasis: 0us
Pre-emphasis setting: 50us

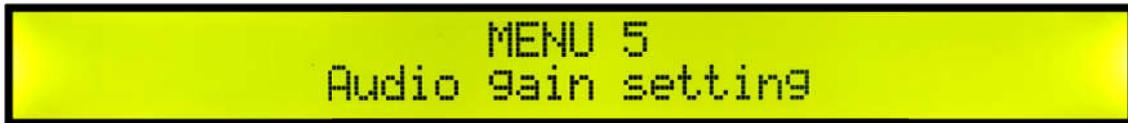
Current pre-emphasis: 0us
Pre-emphasis setting: 75us

Current pre-emphasis: The current pre-emphasis

Pre-emphasis setting: Pre-emphasis setting

Turn the knob to adjust the audio pre-emphasis setting, short press the knob to confirm the audio pre-emphasis setting. And return to menu 4 Audio Pre-emphasis Settings.

- Menu 5 Audio Gain Setting



Short press the knob to enter the audio gain setting.



Left + Right Left channel + Right channel

Left Left channel

Right Right channel

Turn the knob to select the audio channel setting, short press the knob to confirm the audio channel setting.



Turn the knob to adjust the audio channel gain in real time. For best sound quality, try adjusting the L and R levels to full without OVER. If you want to set mute, adjust to MUTE. Short press the knob to exit the audio gain setting. And return to menu 5 audio gain setting.

- Menu 6 External Modulation Gain Setting



Short press the knob to set the external modulation gain.

EXT MOD gain set: 0.0dB MOD#-----

EXT MOD gain set: MUTE MOD#-----

Turn the knob to adjust the external modulation gain in real time. If you want to set mute, adjust to MUTE. Short press the knob to exit the external modulation gain setting. And return to Menu 6 External Modulation Gain Setting.

- Menu 7 network settings

MENU 7
Network settings

Network option not installed.

Network option detected not installed. Short press the knob to exit.

- Menu 8 exit the menu

MENU 8
Exit

Short press the knob to exit the menu and return to the main interface.

- System sleep

>SYSTEM SLEEP<

Long press the knob in the main menu page to sleep the system, short press the knob to exit the system hibernation.

- System alarm prompts

Warning: V.S.W.R is too high!
Please check the antenna and cable.

Warning: V.S.W.R standing wave high! Please check the antenna and cable connection.

Warning: temperature is too high!
Please keep the dust free space and <40C

Warning: the temperature inside the machine is high! (More than 70 °C) Please keep the room clean and does not exceed 40 °C.