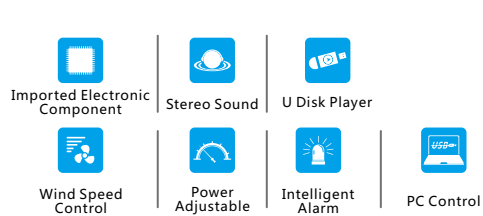


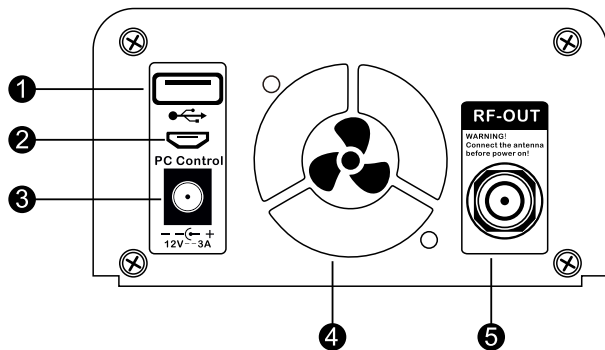
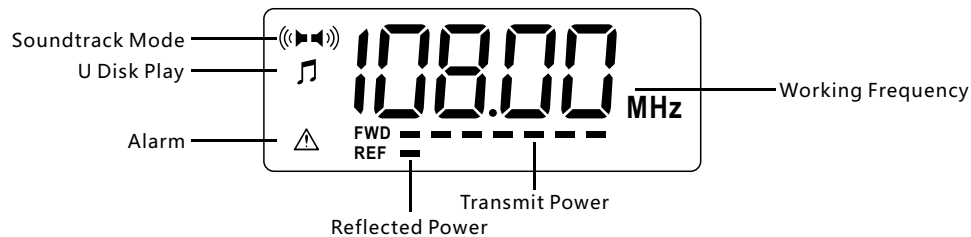
# NIORFNIO<sup>®</sup>

## NIODESKTOP - TB SERIES

### FM TRANSMITTER



- ① Audio Volume Adjustment
- ② Audio Socket
- ③ On/Off Setting Button
- ④ Down Button
- ⑤ Up Button
- ⑥ Microphone socket
- ⑦ Microphone Volume Adjustment



- ① U Disk Outlet
- ② PC Control
- ③ Power Socket
- ④ Cooling Fan
- ⑤ TNC Antenna Female seat

## Precautions For Use

- There is high pressure inside the machine, maintenance can only be operated by professional and technical person.
- Please put the machine in a cool dry and ventilated environment for use, the ambient temperature should not be higher than 35 degree centigrades.
- After antenna installed, there should be 5 meters above from the ground and wall spacing as standard installation environment.
- When install the feed tube, be sure to tie the feed tube to the mounting rod with a tie to prevent the feed tube from pulling loose on the connector.
- Please do not turn on the machine without connecting the antenna.
- Please do not touch the antenna after machine is power on.
- Please do not use this machine in explosive atmospheres (eg gas stations, gas, steam, etc.).
- Please comply with local radio regulations.

## Function and Parameter setting

### Power On/Off

When the machine is connected to power, then it starts.

In working condition, long press [⏻] key, the machine enters standby mode.

In standby mode, long press [⏻] key, the machine goes into working condition.

### Frequency Adjustment

In working condition, short press [⏻] button, when the [MHz] icon in the lower right corner flashes, press [▼] or [▲] button to adjust the frequency.

Short press [▼] or [▲] button, frequency steps by 100K;

Long press [▼] or [▲] button, frequency continuously steps by 100K.

### Power Adjustment

Short press [⏻] button, when the [FWD] icon on the screen is flashing, press [▼] or [▲] to adjust the power; Short press [▼] or [▲] button Decrement; [REF] icon is displayed as reflected power.

PS:

The 6-watt power shows 0.75 watts per cell, with a minimum of 0 cells and a maximum of 8 cells.

The 15-watt power shows 1.9 watts per cell, with a minimum of 0 cells and a maximum of 8 cells.

### Soundtrack Adjustment

In the working state, short press [⏻] button, when the [🔊] icon of screen power icon is flashing, press [▲] or [▼] button to adjust the channel mode;

[🔊] is mono; [🔊] When the stereo channel.






### Amplifier Temperature

In working condition, short press [⏻] button, when the [##.##°C] icon is displayed, it is the current temperature of the amplifier module.


### Audio / Microphone Volume Adjustment

Turn the audio knob / microphone knob clockwise to increase the volume; turn counterclockwise to decrease the volume.

## U Disk Playback

When the host is turned on, insert U disk, the screen displays  icon;  
 press  or  button to switch songs;  
 Long press the  button to switch the sound mode (NO normal, POP pop, JAZZ Jazz, CLA classical, BAS bass).  
 Long press the  button to switch play mode (ALL ALL, FOL in sequence, ONE ONE, RAN) Input priority:  
 Audio cable > U disk play

## Alarm Reminder Function

When the machine is working, it sends alarm and the alarm icon  flashes in the lower left corner of the screen.

General troubleshooting:

### Standing Wave Alarm

1. The antenna is not connected
2. Feeders rolled together, did not start;
3. Antenna installation from the ground, wall or metal objects too close, adjust the antenna installation location;
4. Antenna oscillator height and frequency do not match, adjust the height of the antenna to the launch point.

### Temperature alarm

1. Fan does not turn
2. The antenna does not match, which causes standing wave too large and temperature rises. Adjust the antenna oscillator height corresponding to the launch frequency or adjust the antenna position;
3. Into the outlet there are obstacles, blocked the flow of air temperature is too high;
4. engine room air convection, or the engine room temperature is too high.

## Technical Parameter

NO.	Item	Technical Parameter
1	Working voltage	DC12V
2	Working current	T6B : 3A
		T15B : 3A
3	Frequency range	T6B: 76-108mhz
		T15B: 87-108mhz
4	Frequency stability	±10PPM
5	Frequency step	100KHz
6	Environmental Operating temperature	-10°C~45°C
7	Output impedance	50Ω
8	RF output power	T6B: -30dBm
		T15B: -30dBm
9	Harmonic / clutter radiation	≤ -50dB
10	Audio distortion	0.30%
11	Bluetooth distance	Not Support
12	Frequency response	50Hz~15000Hz
13	Resolution degree	≥30dB
14	Input level	≤ -15 ~ -15dBV
15	Modulation frequency offset	±75KHZ
16	SNR	≥60 dB
17	Size	144*100*54mm
18	Weight	550 g

## Lever antenna frequency length corresponding table



Transmit Frequency MHZ	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108
Antenna Length IN	38.6	37.8	36.6	35.8	35.0	34.3	33.5	32.7	31.9	31.1	30.3	29.9	29.5	28.7	28.3	27.6	27.2

## FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.