

# CZE-7C INSTRUCTIONS

## Precautions for Use

- Ensure that the power supply voltage is within the extent permitted
- Maintenance can only be professional and technical personnel to operate
- Do not touch the antenna after the transmitter is powered
- Do not boot the machine before the antenna is connected
- Do not use in an explosive environment (such as gas stations, gas, steam, etc.)
- Do not place the transmitter in extremely dusty, humid, high temperature to use
- Please be sure to use complying with local radio regulatory agencies require

## Product Features

1. High-fidelity high stability: Motherboard is adopted by next-generation integrated NC FM stereo radio transmitter chip the BH1415 from Japan ROHM Company, built-in PLL frequency PLL, audio pre-emphasis, limiter and low pass filter circuit to achieve high fidelity, high stability signal transmission
2. Stereo clear sound: the control panel is consisted of AT89C2051 and AT24C02; after the stage by two 2SC3355 and one 2SC2053 total of three power amplifier to ensure that the three-dimensional sound quality output effect
3. Good shielding: Structure design closely, not because of external signal induction frequency drift
4. Excellent heat dissipation: The stability of the chassis using high quality aluminum alloy material, lightweight and excellent heat dissipation can work continuously to ensure that equipment
5. Easy to use: Panel use LCD to display the transmission frequency, according to the identification of the interface to connect to other hardware, easy to adjust and it is intuitive
6. Switching power: 1W and 7W power can be switched to use
7. Switching frequency: Can arbitrarily set from 76M to 110M range from 86M to 90M 95M to 108M, 87M to 108M
8. This subsection is with a microphone and volume control

## Product Configuration

NO.	Product name	specification	quantity	unit
1	Host machine	CZE-7C	1	piece
2	antenna		1	set
3	Power adapter	DC 12V/2A	1	set
4	Audio cable	3.5mm audio cable	1	piece
5	manual	e-instruction manual	1	copy

## Operating Instructions

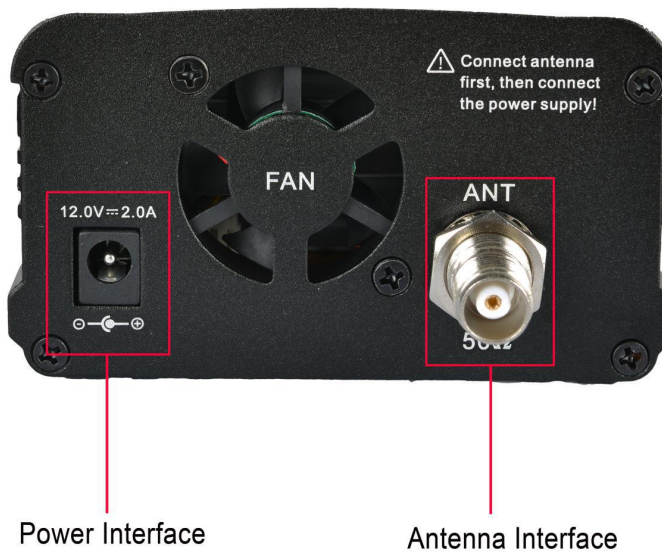
- **Front panel and rear panel**

front panel



① volume adjustment	⑤ Frequency down
② volume input	⑥ Microphone input
③ turn on/of	⑦ Microphone adjustment
④ Frequency increases	

rear panel



- Audio volume and microphone adjustment



- frequency adjustment



- power adjustment

The output power of the machine in two stages: High-power file (H): >7W; Low power file (L): <1W



**Turn off the power adapter, disconnect the transmitter power finish line state to follow these steps:**

1. First press and hold the power switch **【⏻】** ,and connect the power (DC 12V) to the antenna, after 3 seconds after release the key, at this time into the power adjustment status, the LCD display shows "L" or "H" (default image file H high power)
2. Press **【▲】** , and set it as high power (H)
3. Press **【▼】** , and set it as low power (L)
4. Select the desired power profile, and press**【⏻】** .power setting finished, and it will into frequency range setting state.

● **Frequency range setting**

- (1) After the power setting, it will enter the frequency range setting state, power setting is completed, press the LCD screen display shows a set of frequencies, the frequency data is the high-end of the operating band (below)



(Factory default frequency is 108MHZ)

- (2) For example, to set the operating frequency range of 90MHz to 100MHz, then through the key **【▲】** **【▼】** , adjust the frequency data as 100.00MHz



- (3) Band after the completion of the high-end setting, press key **【⏻】** , the band will enter the low-end setting, LCD displayed data band low frequency (below), through key **【▲】** **【▼】** to adjust the data to 90.00MHz



Then press key **【⏻】** , at this time the setting finished.

(Note that the low-end band must not be higher than the high-end band.)

● **Product Technical Parameter**

1	Power Output:	1-2Watt/7-8Watt	10	Antenna Design:	Rubber Antenna(1Watt) GP
2	FM Transmitter	76-108Mhz	11	Antenna Connector:	TNC type
3	Tuning Step:	100Khz/0.1Mhz	12	Output Impedance:	50 ohm
4	Power Supply:	12V DC (The current load of power supply should over 2A)	13	Audio Input Connector:	3.5mm headphone connector
5	Stability of Frequency:	±10ppm (-10°C~+50°C)	14	Mic Input	3.5mm headphone
6	Frequency Response:	20 - 15000Hz	15	Tuning Design:	Stable PLL Technology
7	Signal to Noise Ratio:	>65dB	16	Size of Transmitter Unit:	L:129mm, W:96mm, H:55mm
8	Distortion:	< 0.3%	17	Weight of	450g
9	Operation Time:	True 24/7	18	Transmission	FM Stereo

● **Common Troubleshooting**

N	Undesirable phenomena	Reason
1	Can not be boot	1) outlet for power; 2) The power cord is plugged in; 3) the power adapter is normal.
2	Standing wave is greater	1) The antenna is not connected; 2) The antenna does not match; 3) antenna installation location next to the reflector too
3	Transmitter distance is close	1) feeder loss; 2) poor launch environment; 3) Output power is not adjusted; 4) antenna installation height is not high enough; 5) The antenna does not match; 6) receiver sensitivity
4	No power output	1) Output power is not adjusted; 2) Machine standby or power.
5	Audio muting	1) The master volume is not large; 2) the input audio signal is normal.
6	The microphone is silent	1) microphone is normal; 2) the microphone volume is not large; 3) whether the microphone dynamic microphone; 4) microphone is plugged.
7	Sound quality is poor	1) microphone quality is not good; 2) Input audio sound quality is not good; 3) antenna installation method is not correct; 4) audio signal or machine volume is not adjusted.