

# User Manual

## FSK 12CH Cased Transmitter

Model: TCF200SP

Brand: RFRemotech

The 12CH Cased Transmitter is 433MHz frequency with 200m transmitting range, can be powered by either external or internal 12V power supply—external 23A12VDC battery, internal 10-1.2V AAA rechargeable battery pack. Faceplate of the transmitter is with charger port, the battery pack can be charged directly once the charger is connected. Both external & internal power source are controlled by the Keyed on/off Switch, also there are two 3-way Rocker Switches, one for power source selection and the other for encoding selection.

### **Detail Specification:**

#### **1. Operating Power Control.**

The Keyed Switch controls the main supply power. When the Keyed Switch is locked in Off Position, the circuit is disconnected; when the Keyed Switch is locked in On Position, the circuit is connected.

#### **2. Selection of Internal/External Power.**

Internal/External Power is selected thru the 3-way Rocker Switch. When the Rocker Switch is in Int. Bat Position, the circuit is powered by the internal power; when the Rocker Switch is in Ext. Bat Position, the circuit is powered by the external power; when the Rocker Switch is in Middle Position, the circuit is off without power.

#### **3. Charging.**

The transmitter comes with an external charger with LED for indicating the charging status. The Charger is American Standard with INPUT: AC100-240V, 50/60Hz and OUTPUT: DC13.8V/ 0.35A,

#### **4. Lighting**

The faceplate of the transmitter is with an USB port for LED light that is not controlled by the Keyed Switch. LED light: 5V/0.5W.

#### **5. Encoding**

The transmitter can be coded by both the internal coding pads & the external Rocker Switch 3-way Rocker Switch. The internal coding pads is constituted by 3-Position (High, low & Floating) encoding 8-way DIP switch; the external coding is used 3-way (High, low & Floating) Rocker Switch- the first way is for High, the second is for Low and the third is for connecting to one of the 1-8(A0-A7) encoding pads. The PCB is with 10pin wire terminal blocks for the 3-way Rocker Switch, the order of 10pin terminal is high (5V), low (ground), 1-8 encoding address (A0-A7).

Note: In use, once the terminal block is connected to the external Rocker Switch, the correspondent DIP Switch must be floating to avoid circuit shorted.

#### **6. LED Indicator.**

- 1) Charging LED lights in Green under charging.
- 2) Power/low-power LED (Power on in green, Low-power in Red)
- 3) Button pushed LED lights in Red under button pressed.

#### **7. Buttons**

12 buttons in 3 lines marked as letter A, B, C & D, then numeral 1-8.

Button A, B, C & D is for bank selection and button 1-8 is for the cue output selection.

FCC ID: YMU-TCF200SP

FCC Statement:

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.

WARNING:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipments.