

***TELIKOU* Intercom System**

**TF-2400  
Wireless Interface**

**Instruction Manual**

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## I. Introduction

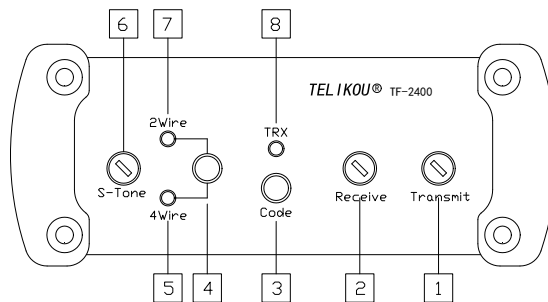
Thank you for choosing TELIKOU intercom product. TF-2400 is a wireless interface which designed for wired intercom. Each TF-2400 can carry four wireless belt pack and working as party line mode. TF-2400 wireless interface is suitable for television station, communication center, UB truck, live performance and any other environment which requires wireless communication. We recommend you read through this manual to better understand the functions of TF-2400.

TF-2400 running on 2.4G free of license frequency.

## II. Characteristics

- 2.4G Frequency
- Digital full duplex
- Digital echo cancellation and Digital Squelch
- frequency hopping

## III. Basic operations



### 1. Transmit Level Control

To adjust the audio level which sent to wireless belt pack.

### 2. Receive Level Control

To adjust the audio level which receive from wireless belt pack.

### 3. Code Button

Hold the Code button and plug in intercom cable with power. TRX LED flashes red means TF-2400 has entered code matching.

#### 4. 2-Wire / 4-Wire Selector

If 2-wire is selected, LED 7 lights. If 4-wire is selected, LED 5 lights.

#### 5. 4-Wire LED

This LED lights when TF-2400 working under 4-wire mode.

#### 6. Side Tone Adjustment

Adjust side tone to minimum when TF-2400 working under 2-wire mode.

#### 7. 2-Wire LED

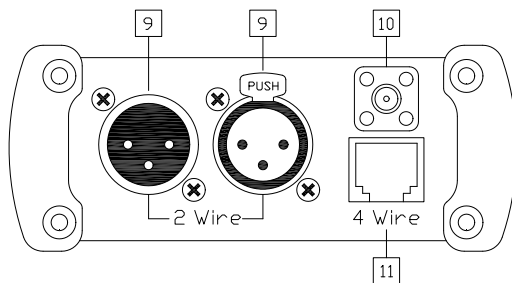
This LED lights when TF-2400 working under 2-wire mode.

#### 8. Status LED

Dual color LED.

Green color means wireless transmitting and receiving are working.

Red color means TF-2400 is under code matching mode.



#### 9. 2-Wire Intercom Connector

2-Wire Connector. A pair of XLR-3

Pin 1: Ground

Pin 2: 12~30VDC

Pin 3: Audio Signal

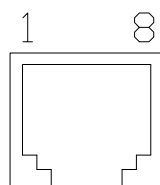
#### 10. Antenna Connector

N Type 2.4G antenna

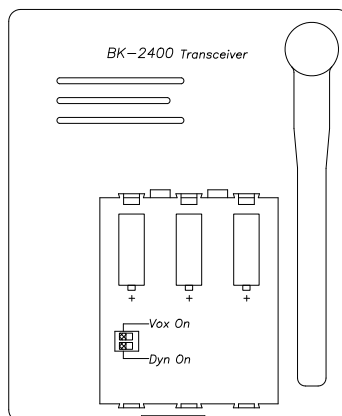
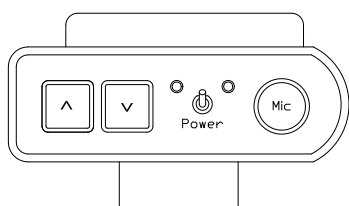
### 11. RJ-45 4-Wire Connector

RJ-45 connector. The pin out of connectors is as follows:

- Pin 1 --- Ground;
- Pin 2 --- +12V~30VDC;
- Pin 3 --- Audio Input +;
- Pin 4 --- Audio Output +;
- Pin 5 --- Audio Output -;
- Pin 6 --- Audio Input -;
- Pin 7 --- Null;
- Pin 8 --- Ground;



### IV. Belt Pack



- |                        |                             |
|------------------------|-----------------------------|
| MIC                    | Microphone Control Button   |
| ▲/▼                    | Volume Control              |
| POWER                  | Power Switch                |
| Low Battery & Code LED | Dual Color LED              |
| MIC LED                | Microphone status indicator |
| Vox                    | Null                        |
| Dyn                    | Microphone type selector    |
|                        | On: Dynamic                 |
|                        | Off: Electret               |
| Headset Connector      | Pin1, Pin2: Microphone;     |
|                        | Pin3, Pin4: Earphone;       |
|                        | Pin5: Ground                |

## V. Code Matching

TF-2400 must enter code matching first.

1. Hold the Code button and plug in intercom cable with power.  
TRX LED flashes red means TF-2400 has entered code matching.
2. Hold 'VOL-' button then turn on the power for belt pack. When power LED on belt pack flashes slowly, release the 'VOL-' button.
3. System does the code matching automatically. Power LED flashes fast, then lights constantly.  
It means code matching has finished.
4. Repeat step 2 and 3 for the rest belt pack.

**Note: After finishing Code Matching, TF-2400 and Belt Pack have to be restart.**

## VI. Technical Specification

### Working Frequency:

2.4G (433M / 868M / 915MHz are optional)

### MAX Transmit Power:

20dBm

### Working Power:

12~30VDC

### Belt Pack Battery:

3 x AA size battery

### Belt Pack Working Current:

TX: max 130mA RX: max 50mA

### DIMENSION:

111mm x 46mm x 126mm(W x H x D)

### WEIGHT:

0.36kg