

T-Series Audio Phone User Manual_V1.0



T-IS21

Unit 1 Function Overview

This product is an audio indoor station that based on two-wire system, and supports door unlock, intercom function and so on. The main functions are as below:

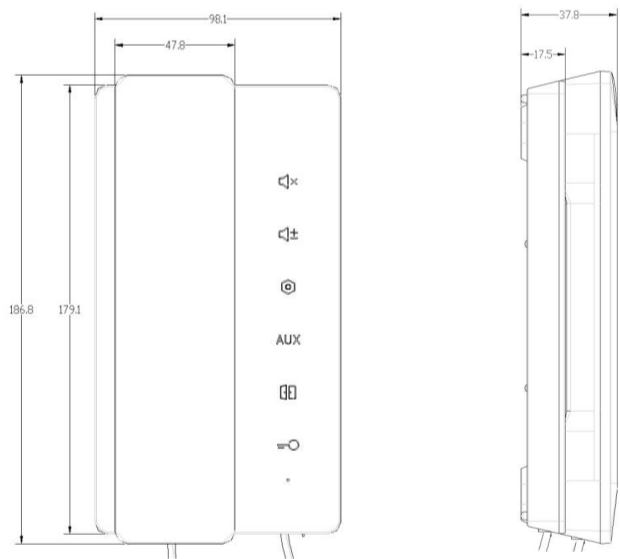
- Support 2-Wire BUS power supply.
- Support door bell function.
- Support one apartment with multiple audio phones.
- Support audio intercom between visitors and residents, residents and Guard Units.
- Support audio intercom between any two apartments, Support intercom function between the indoor monitors inside the house.
- Support to release 2 locks maximum .

1.1 Parameter

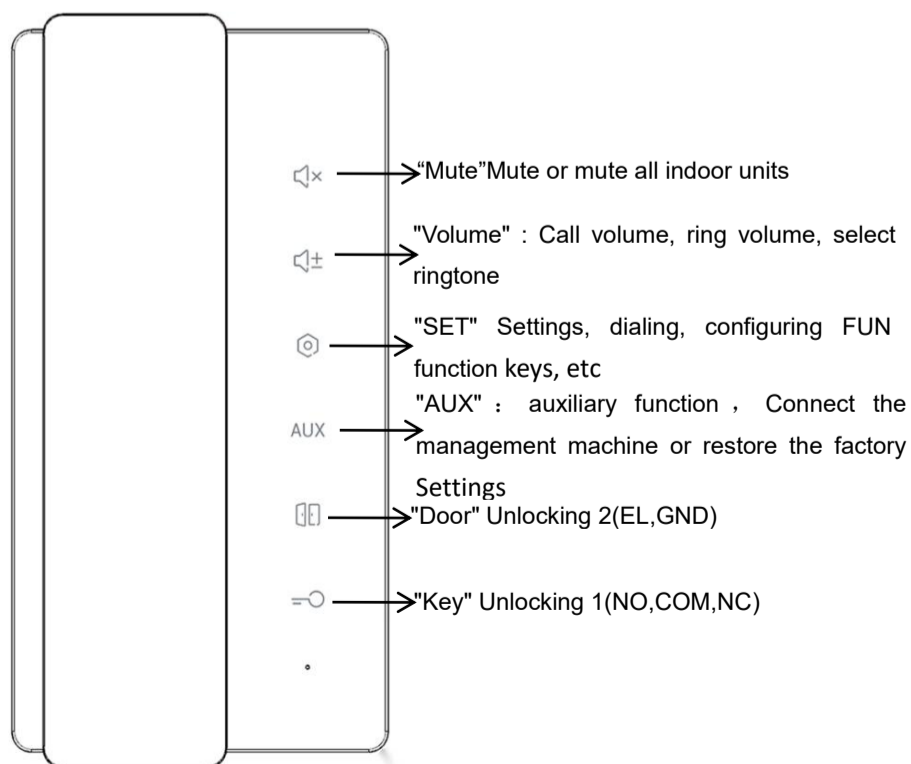
Working voltage: DC 30V Static Current: ≤ 10 mA
 Working Current: ≤ 50 mA Dimension((L×W×D):186.8×98.1×37.8mm
 Call Duration:120s Environment Temperature:-10℃ ~ +55℃
 Ring Duration:30s Product Usage Poster: 2000 Meters

Unit 2 Brief Introduction

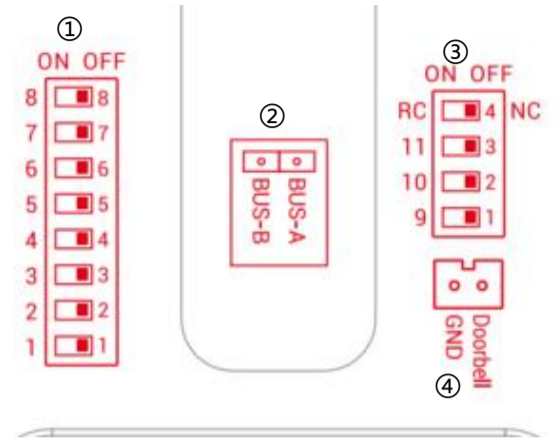
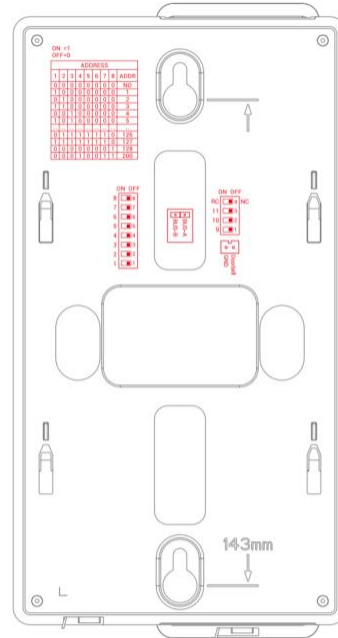
2.1 Dimension Figure



2.2 Button Instruction

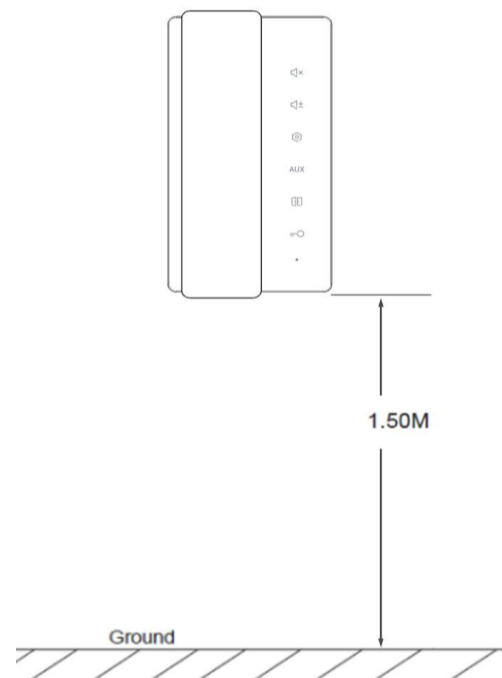


2.3 Interface Instruction



- ①: ON 1~6 dial code switch, see "5.1 room number setting" dial code switch instructions;
- ②: BUS-B BUS-A BI;
- ③: RC: Enable impedance matching;
 NC: Disable impedance matching;
 11: Lock opening function enable, ON enables lock opening function, OFF disables lock opening function;
 10: Reserved function
 9: Reserved function
- ④ GND DOORBELL BI.

Unit 3 Installation Height



Unit 4 Installation Procedure

<p>Step 1: Leave the exit line and fix the wall nails on the wall</p>	<p>Step 1: Leave the outgoing line and fix the hanger to the</p>
<p>Step 2: Connect the wire to the base properly, and then install the base onto the wall nails</p>	<p>Step 2: Connect the wire to the base properly, and then install the base on the hanging frame</p>
<p>Step 3: Connect the base to the handle with a telephone line</p>	<p>Step 3: Connect the base to the handle with a telephone line</p>
<p>Step 4: Installation status</p>	<p>Step 4: Installation status</p>

Unit 5 Basic Functions

5.1 Apartment No. Setting


The audio phone address can be set by the binary DIP switch, as described in the table below.

Dip switch instruction

There is a 8-digit switch at the back of the indoor station, 1 is the lowest bit, 8 is the highest bit, the range of address is 128. (Binary addressing).

The management computer room number is 200.

The method of setting address is as below:

	NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	ADD
	0	0	0	0	0	0	0	0	NO
	1	0	0	0	0	0	0	0	1
	0	1	0	0	0	0	0	0	2
	1	1	0	0	0	0	0	0	3
	0	0	1	0	0	0	0	0	4
	1	0	1	0	0	0	0	0	5

	0	1	1	1	1	1	1	0	126
	1	1	1	1	1	1	1	0	127
	0	0	0	0	0	0	0	1	128
	0	0	0	1	0	0	1	1	200

5.2 Call Pick Up

In standby mode, when there is a call coming in, residents can answer the call by picking up the handset. If the call comes in while the handset is picked up already, the handset is needed to be hanged up and picked up again, then the residents can answer the call.

5.3 dialing call

If a room number is configured, it will call the fixed room number. If not configured, it will enter the dialing state. Hold the handle and briefly press the AUX icon to enter the dialing call state. Briefly press the lock 2 button to add the room number. Each time the room number is added by 1, the blue LED light will flash once. Briefly press the SET button to subtract the room number. Press the AUX button again to call out according to the current dialing room number.

5.4 intercom function between the indoor monitors inside the house

Lift the handle and briefly press the SET key to set the indoor communication function. If the room number is configured, it can call the fixed room number; if not configured, it can call the room number of this indoor machine.

5.5 Call Hang Up

During 120s of conversation, residents can end the talk by hanging up the handset. During the call, both extensions hung up respectively, and the call was ended.

5.6 Ringing Tone Setting

It is equipped with 5 built-in ringtones (Ring1, Ring2, Ring3, Ring4, Ring5), and different ringtones distinguish different calls. The default doorbell call is Ring3.

5.7 Ringing Volume Setting

In standby mode or when it is ringing, short press volume button to adjust ringing volume. The default volume is level 4, with every short press, the volume will add 1 level, maximum level is 4. The volume level will circles from 1 to 4. (The last volume setting will be saved).

5.8 Ringing Mute Setting

Short press the mute button to mute this equipment and turn the LED light red.

Long press to mute other indoor units.

5.9 Talking Volume Setting

When the conversation has began, short press volume button to adjust talking volume. The default volume level is 3, with every short press, the volume will add 1 level, maximum level is 3. The volume level will circles from 1 to 3. (The latest volume setting will be saved).

5.10 Unlock

When the device is being called by Outdoor Station or having conversation with Outdoor Station, short press the unlock button to open door No.1. If the Relay module is well connected, then long press unlock button will unlock door No.2.

5.11 automatic lock function

when you need to open the automatic lock function: 60 seconds after power-on, lift the handle, long press the SET to enter the setting state, and set the automatic unlocking. short press setting key once and "di" automatically unlock 1, short press setting key twice and "di" twice to automatically unlock 2, short press setting key three times and "di" three times to automatically unlock 2& unlock 1, and hold it down again to return to the default state. This function is turned off by default when not set.

5.12 Call Guard Unit

In standby mode, pick up the handset and long press AUX button for 3s to call Guard Unit. If the device gives out 3 short 'beep', call failed.

5.13 Doorbell

The device will ring when the door bell is pressed. (not affected by calling ringtone). The default ringtone is Ring 3.

5.14 Factory Default Setting

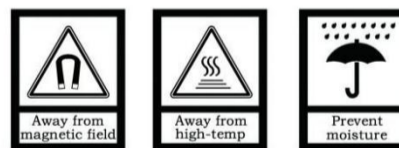
Within 60s after powering the device, long press SET button for 3s, it will enter factory default setting mode with three times 'beep', short press SRT button again, the function will be done with another long 'beep'.

5.15 Software Upgrade

The ST-LINK tool can be used for the upgrade.

Attentions

1、 Please keep devices away from strong magnetic field , high temperature , wet environment ;



2、 Please do not fall the devices to the ground or make them get hard impact ;



3、 Please do not use wet cloth or volatile reagent to wipe the devices ;



4、 Please do not disassemble the devices.