

USER'S MANUAL FOR AT-900

AT-900T Dual Tour Guide System

AT-900R The receiver

1. General Information

1.1 Introduction

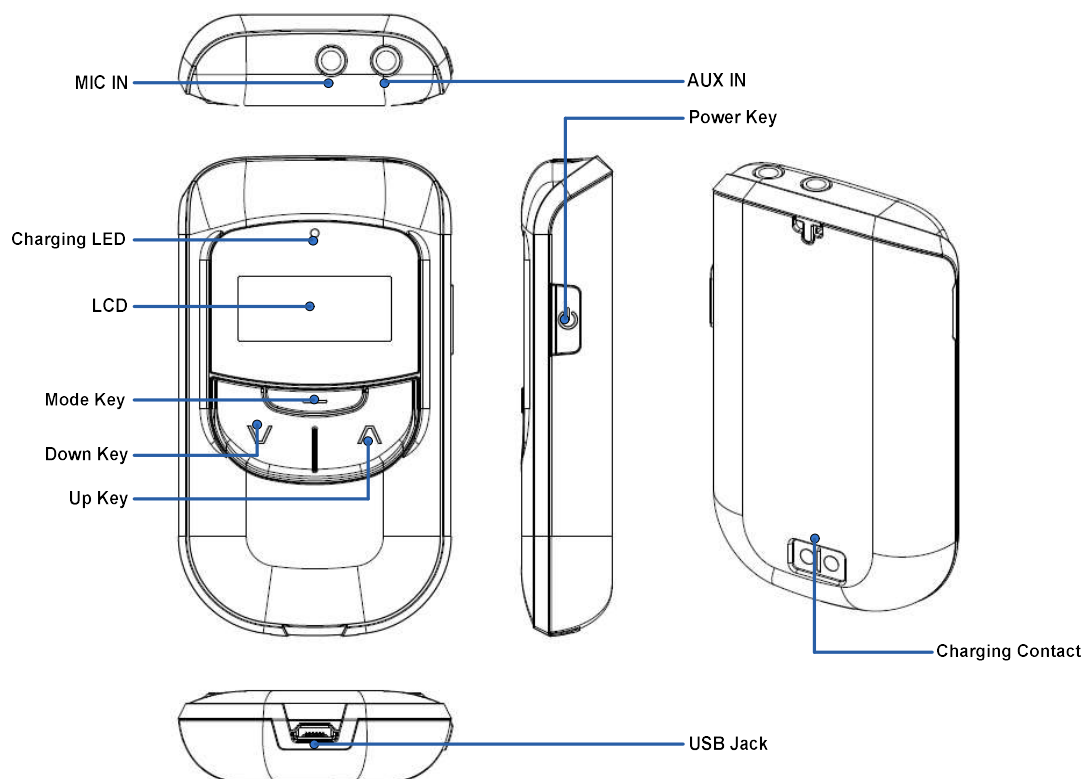
The "AT-900T" and "AT-900R" are the components for a very advanced tour guide system. It combines quality and versatility into the most compact, simple to operate and easy to use with state of the art technology.

1.2 Main Feature

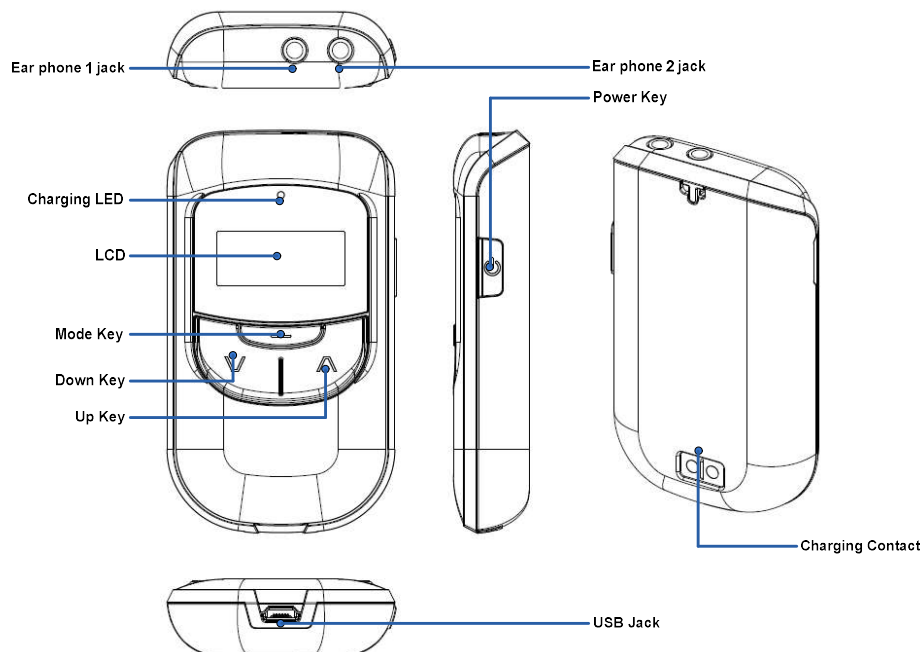
- Worldwide compatible 2.4Ghz ISM band solution
- Support the use of two units of AT-900T transmitters per group simultaneously. So a group can be guided by the tour leader and a local tour or city guide
- Long range of talk coverage over 100m
- 80 channels selection and 9 steps volume output control
- Direct 5 steps microphone sensitivity selection and AUX In for publishing with music background
- Crystal clear sound quality, loud enough audio output and two earphone outputs as Ear.1 and Ear. 2
- Extremely compact 50x88x15mm and light weight 60g only
- Long enough battery life for the AT-900T transmitter 10 hours and for the AT-900r receivers 15 hours
- Convenient drop in charging contact and micro USB charging socket

2. Controls and Indicators

2.1 AT-900T transmitter



2.2 AT-900R Receiver



3. How to use




3.1 Power On/OFF

Press and hold the "Power" button longer than 2 seconds to turn the device power on.

Afterward, press and hold the "Power" button longer than 2 seconds again to turn the device power off.

3.2 AT-900T Transmitter

The transmission is starting automatically as soon as the power is turned on the device.

The LCD is displaying , C 1,  and .

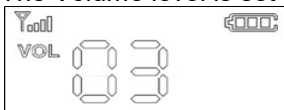
And also the Group number is set at "00" and its ID is set at "00" as a default.



3.3 AT-900R Receiver

The  is displaying during reception and the signal level bar is changing according to the strength of reception signal.

The Volume level is set at "03" and the Group number is set at "00" as a default.



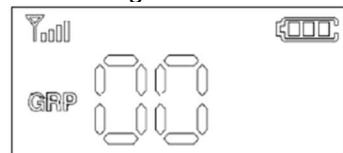
3.4 Group selection on AT-900T and AT-900R

Press and hold the "Mode" button longer than 2 seconds.

The "GRP" on the LCD is blinking.

Choose the Group number by press the "▲" or "▼" button and then release all the buttons longer than 5 seconds to leave it.

The blinking of "GRP" on LCD is stopping and the selected Group number is displaying.



3.5 ID selection on AT-900

In a group, it is available to use up to 2 units of "AT-900T" at the same time and each "AT-900T" needs to provide each different ID per group as one is ID "00" and another is ID "01".

The ID "00" becomes a master in a group and every group needs to have a master with ID "00" without alternative.

The "MASTER" and "TALK" are displaying on the LCD as soon as the ID "00" is set and for another "AT-900T" who set at the ID "01", "TALK" is displaying on the LCD.

In case only one "AT-900T" is required in a group, just set the ID at "00" on the unit.

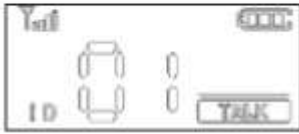
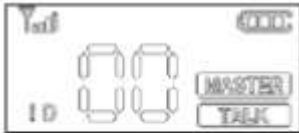
Press and hold the "Mode" button longer than 2 seconds after turn the device power on.

The "GRP" symbol on the LCD is blinking.

And then press the "Mode" button one more time instantly.

The "ID" symbol on the LCD is blinking.

Select the ID either "00" or "01" in a group by press "▲" or "▼" button and then release all the buttons longer than 5 seconds to fix it.



Note) Every group needs to have a master "AT-900T" with the ID "00" .

In case you want to use another "AT-900T" with the ID "01" in a group beside of the master "AT-900T" with its ID "00", if it is required.

3.6 Microphone Sensitivity Selection on AT-900T transmitter

The "C1" is displaying beside of the "VOL" on the LCD.

Press "▲" button to control the sensitivity up and "▼" button for the sensitivity down.

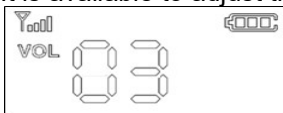
It is available to adjust the volume level "0~5" and it is set at "1" as a default.

3.7 Volume Up/ Down on AT-900R Receiver

The "VOL" is displaying beside of the level number of current volume.


Press "▲" button to control volume up and "▼" button for volume down.

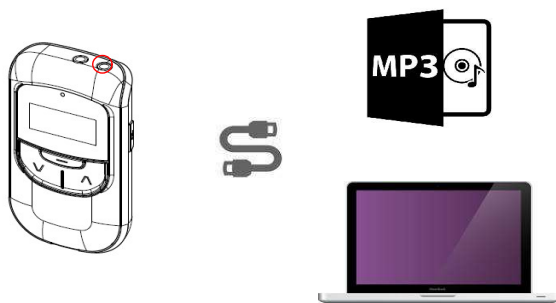
It is available to adjust the volume level "0~9" and it is set at "3" as a default.



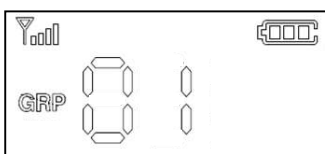
3.8 AUX In on AT-900T Transmitter

It is available to publish with music back ground.

Please cable connect between Aux In  and Audio output of any other out source's device using the AUX cable (AU-01) and select the volume level of music appropriate.



Note) The AUX cable (AU-01) might be not working. It is dependent on the wire diagram of Audio output that the out source's device has. Please check the wire diagram with the "AT-900T" and make it correctly.



3.9 Microphone Mute On / Off on AT-900T Transmitter

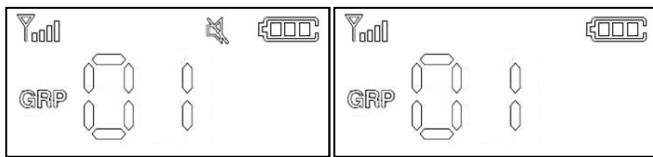
The AT-900T transmitter is having a on/off Mute function for the microphone.

Push the "Mode" button to switch of the microphone.

You will see the "  " icon in the display.

Push the "Mode" button again in order to open up the microphone again.

In het scherm is de "  " icon verdwenen.



Microfoon MUTE on

Microfoon MUTE out

The Mute function is out as a default

4. Battery

The rechargeable Li-Ion battery 3.7V, 800mA is installed in each device, AT-900T and AT-900R.

Plug the USB charging cable into the USB port and recharge the battery.

The Red color LED in the right side top corner of device is turned on during the charging and turned off when the battery is fully charged.

5. SPECIFICATION

ITEM	SPECIFICATION
Radio Frequency Type	ISM 2403MHz ~ 2480MHz
Type	Wireless Microphone/Receiver Unit
Radio Interface	ISM 2.4GHz: GFSK Modulation with Frequency Hopping
Voice Codec	16KHz/16bits
Tx Max Output Power	100mW
Rx Sensitivity	-95dBm
Voice Latency	< 20ms
Num. of Frequency Channel	80 chs
Channel Spacing	500 KHz
Data Rate	500 Kbps
Freq. Bandwidth	500 KHz
Battery	Li-ion Battery @ 3.7V 800mA
Antenna	Internal Chip Antenna
Working Time	For AT-900; 10hr typ. and for AT-900R; 15 hr
Power Consumption	100mW
Distance Range(LOS)	150M
Frequency response	50 Hz ~ 8 kHz
Maximum operation Transmitters	2 Transmitters
Dimension / Weight	50 mm X 88 mm X 15 mm / 60g(Typical)

