okayo®

The sound option

AT-200iD-MT

Audio Guide

[User Manual]

Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

Consumer Alert

Most users do not need a license to operate this wireless microphone system. Nevertheless, operating this microphone system without a license is subject to certain restrictions: The system may not cause harmful interference; it must operate at a low power level (not in excess of 50 milliwatts); and it has no protection from interference received from any other device. Purchasers should also be aware that the FCC is currently evaluating use of wireless microphone systems, and these rules are subject to change. For more information, call the FCC at 1–888–CALL–FCC (TTY: 1–888–TELL–FCC) or visit the FCC's wireless microphone Web site at http://www.fcc.gov/cgb/wirelessmicrophones.

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.

Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/ TV technician for help.

Preface

Thank you for the purchase of Audio Guide AT-200. This user manual contains comprehensive instructions and operation of the unit, please read it over before your use for the first time.

Features

- High fidelity DSP technology, offering up to 20 hours stereo audio playback with built-in 2GB memory card.
- Access audio content through built-in speaker or external earphone jacks. 2 earphone jacks available for couple or kids and parents.
- Backlit display and keypad for ease of use.
- Raised dot 5 for visual impaired people.
- Chargeable. Audio Guide can be recharged with chargers. Each charge can run operation up to 12 hours.
- Fast audio content update through Audio Master and Audio Guide Uploader.

① Earphone jack   ④ Inbuilt speaker   ⑦ Power/Stop button

② Triggering module   ⑤ OLED screen   ⑧ Uploading/Charging connector

③ Charging indicator   ⑥ Keypad   ⑨ Battery door

Illustration

1. Earphone jack, stereo, 3.5 mm

1 or 2 headphones are valid for more than 1 user.

2. Triggering module

In addition to inbuilt IR triggering mode, various triggering options (RFID/RF/GPS) are offered respectively upon demands.

3. Charging indicator

- Red/Green LED indicator stands for charging/fully charged status.
- Glittery red LED indicator means potentially defective battery inside. Please hand over the audio guide to the counter.

4. Inbuilt speaker

Users can listen to audio commentaries through the inbuilt speaker. However, this function will be disabled when the player connects with headphones.

5. OLED screen

Triggering modes, battery status, volumes, photos of exhibits, and playing tracks/progress will display on the OLED screen.

6. Keypad

① ② ③	Numeric buttons	▶❙❙ Play & Pause	🔊➕ Volume up
④ ⑤ ⑥	for audio tracks	▶▶ Fast forward, next track	◀➖ Volume down
⑦ ⑧ ⑨		◀◀ Fast backward, last track	
⓪			

NOTE: 2 auxiliary buttons, 🛈 and #, are designed for further information and will be updated by organizers.

7. Power/Stop button ▣

- To power on - press power button for about 1 second.
- To power off - press power button for about 2 seconds till "OFF" shows up.
- To stop or redial codes of an audio commentary, simply press stop button and dial new codes again.

8. Uploading/Charging connector (IEEE 1394 port)

This port will be connected with uploaders/chargers for either uploading or recharging.

9. Battery door

If the inbuilt battery is failed, open the battery door for replacement.

◼ Operation

Power ON/OFF

Press and hold power button ◉ for 1 second until a beep to power on.
Press and hold the button for 2 seconds until an OFF sign shown in display
and beeps twice to power off. (* Alarm is still working even audio guide is off.)

Auto Power OFF

When audio guide is not operated for 30 minutes (factory default), it will switch
off automatically. (* Alarm is still working.)

＊ Auto Power Off can be changed or defined through software "Audio Master G2".

Choose Language

Change and choose a desired language by entering 3 number codes with # and
press ◉ to activate. A prompt audio and display will give assistive information
to your change when the change is successful. (Language code is available from
951 to 982. 951 is the factory default.)

Manual Play and Auto Play

There are two ways to activate a picked audio content – manually or automatic-
ally. In manual mode, the audio content shall be activated with a 4-digit number
code and play ◉ . (Number code is available from 0001 to 9999.) In automatic
mode, when an audio guide is in the service coverage, the number code will show
up in display and audio content will be played automatically. (* Semi-automatic
mode is available in Audio Master G2)

＊ Automatic audio play is only working with specific devices : IT-200, RT-200,
   iD-200, which are optional on demand.

Delete Number Code

When a wrong number code is entered, simply press STOP key ◉ to delete it and
then enter correct number code again.

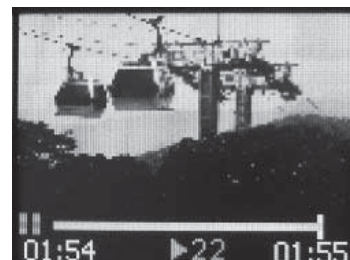## Access to additional audio content (# level)

You can listen to additional audio content for a particular track by simply pressing # key during the playback and then entering required number code. To exit from # level, press # key again after the additional audio content stops playing.

✻ Audio contents for # level can be defined in Audio Master G2.

Plan a programmed tour

Visitors can follow a pre-programmed audio map to simplify their trips. If this programmed tour is designed, an arrow symbol (▶) will show up between 2 track numbers underneath. Take images below for example, track 22 will be the next audio commentary after track 11 and when track 11 plays to the end, visitors can press play key (▶❚❚) to enter track 22 directly.

✻ This function can be defined in Audio Master G2.

Information key " i "

i key is served as default information. It can be audio and/or picture format.

Battery and Charge

When battery power is almost exhausted, a low battery icon will blink and show in display. The audio guide will automatically switch off in 20 seconds. Please allocate it onto charger as soon as possible.
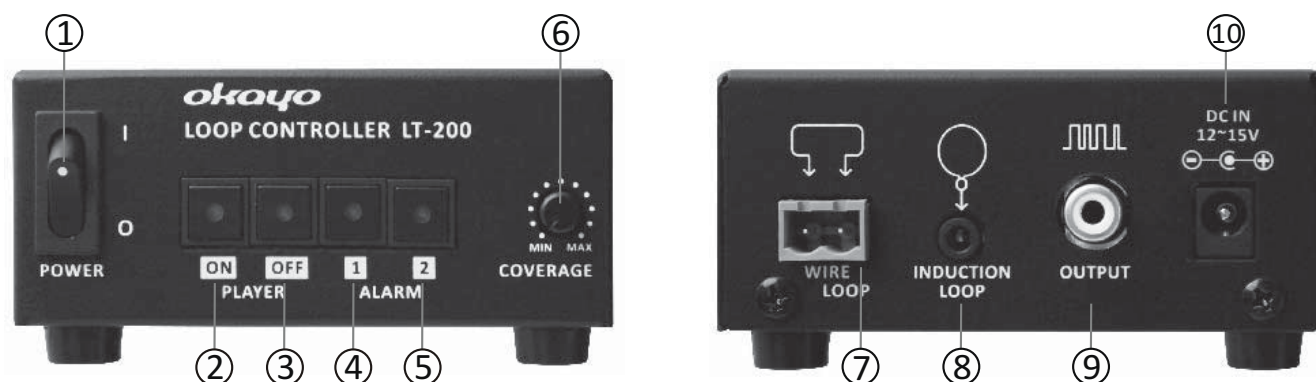
Alarm

When alarm is performed at audio guide, it will generate a continuous beep. The audio guide will be locked and can't be operated as a result. Please press and hold ⊕ key and then press ▣ key to escape from alarm status. When audio guide is released from alarm status, it can be operated as usual.

✽ Useful tips: use alarm trigger LT-200 to release audio guide from alarm status or restore audio guide by putting on charger.

IR Triggering

This audio guide is built with IR triggering function. To make it possible, you will need to install an infrared trigger IT-200 (optional).

① Power switch
② Player ON button
③ Player OFF button
④ Alarm 1 button
⑤ Alarm 2 button

⑥ Coverage (trigger) adjustment
⑦ Loop antenna connection
⑧ Induction loop connection
⑨ Output connection, for loop amplifier
⑩ Power input socket (DC IN)

◼ Operation

Installation

● Connect power supply with the device well.
● Build a triggering zone with supplied loop wire (please refer to installation example).
● Switch power on and set a desired triggering function.

Triggering Function

PLAYER **ON** : press and hold ON button **ON** for 2 seconds until LED lights in RED to activate. This function will force every audioguide within triggering range to power ON.

PLAYER **OFF** : press and hold ON button **OFF** for 2 seconds until LED lights in RED to activate. This function will force every audioguide within triggering range to power OFF.

ALARM **1** : press and hold ON button **1** for 2 seconds until LED lights in RED to activate. This function will force every audioguide within triggering range to beep.

ALARM **2** : press and hold ON button **2** for 2 seconds until LED lights in RED to activate. This function will force every audioguide within triggering range to beep.

Coverage Adjustment

Adjust triggering range with coverage adjustment ⑥ to accommodate different zone or application, such as service desk or lobby.

6

OUTPUT Connection

When the maximum triggering coverage can't meet your requirement, you can connect a loop amplifier with this device trough OUTPUT connection jack ⑨ to increase triggering coverage.

Installation of Loop Wire

Arrange a triggering zone with factory supplied loop wire is recommended. In order to obtain better triggering performance, the supplied loop wire shall be ran out completely.
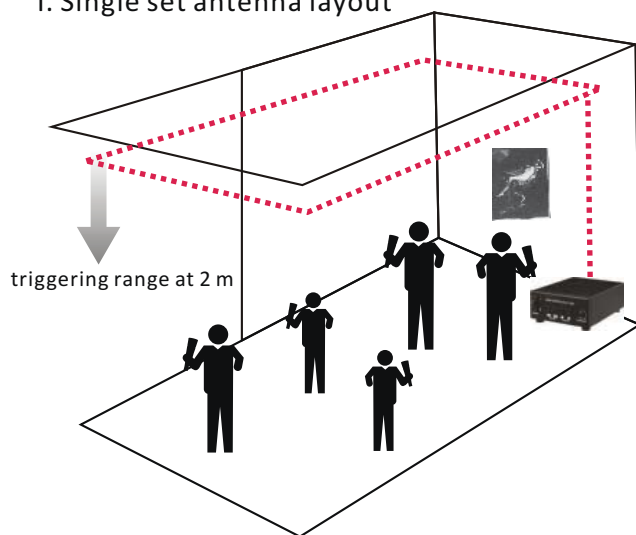
Induction Loop Connection ⑧

For a small range triggering (< 30 cm), an induction loop is able to connect with this device.
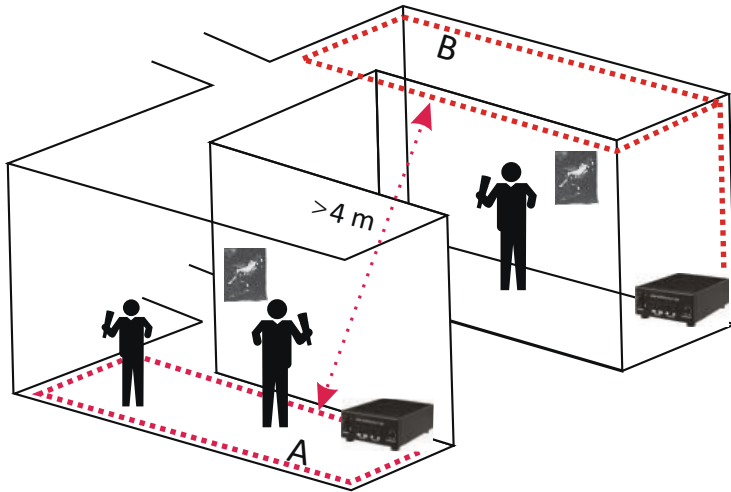
■ **Example for antenna layout**

※ In case two loop controllers are operated in same area, make sure each set of antenna shall be kept away at 4 meters or more.
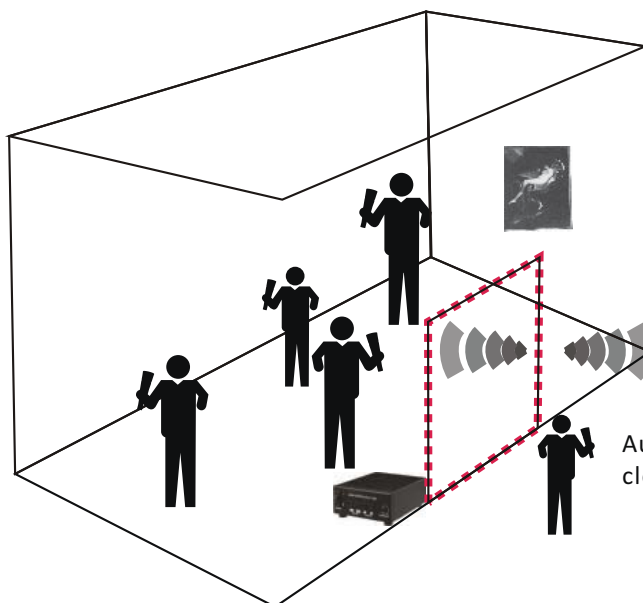
I. Single set antenna layout

triggering range at 2 m

II. Multiple sets antenna layout
    Antenna A and B shall keep away from each other for at least 4 meters.

B

>4 m

A

■ **Example for allocation of antenna and alarm trigger**

Audioguide will beep when it comes close to alarm trigger within 2 m.

① Power indicator
② Power switches (DIP) and power mode setup
③ Hanging hole

④ Track number setup
⑤ Battery door
⑥ DC input socket
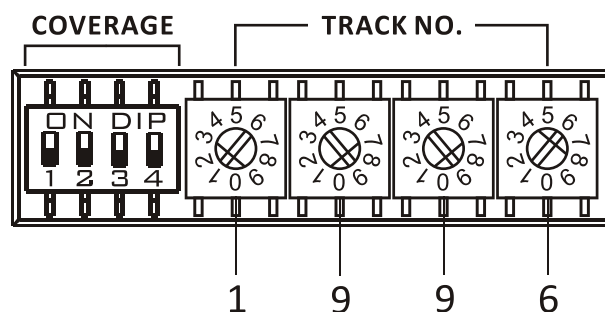
■ Operation

Power On

Any DIP switch ② moves to ON position will turn this device on. Power indicator ① will light up for 2 seconds and then off. Indicator will blink every 2 seconds when device is working.

Power OFF

When all DIP switches ② move to OFF (downward) position, the device will be turned off.

Track Number Setting

Tracking number is set by ④ rotary switches, from left hand side to right hand side. Every single IR trigger can activate one tracking number only. An example (1996) is shown as below.
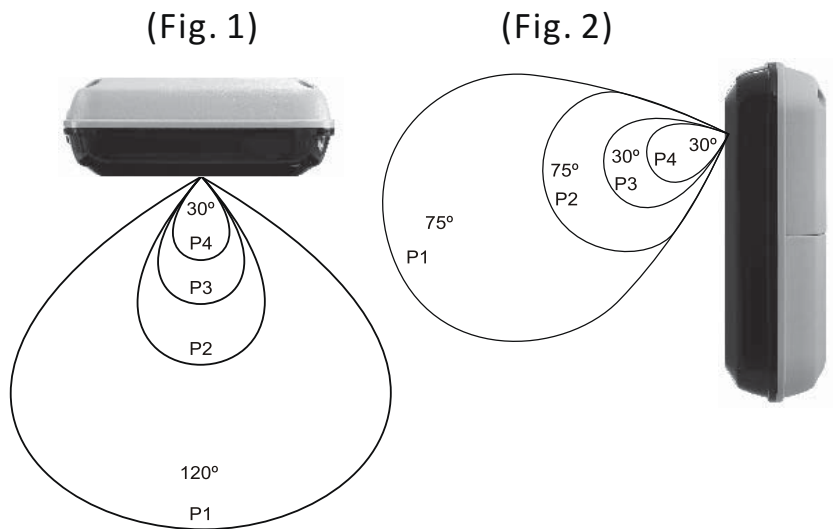
COVERAGE setting

Set a desired IR triggering range with DIP switch. A table below gives all possible settings and respective functions.

◼ IR signal coverage on application

(Fig. 1)   (Fig. 2)

DIP	Status	Power
ON DIP 1 2 3 4	OFF	OFF
ON DIP 1 2 3 4	ON	P1
ON DIP 1 2 3 4	ON	P2
ON DIP 1 2 3 4	ON	P3
ON DIP 1 2 3 4	ON	P4

P1 (Max coverage) > P2 > P3 > P4 (Min coverage)

Power Supply

Insert 2 AA batteries or connect with factory supplied power adapter (5V / 1A).

※Adapter can't charge battery. When battery and adapter are employed at the same time, this IR trigger will consume energy from adapter only.

Power Indicator

● Indicator blinks in Green = sufficient battery energy or adapter employed.
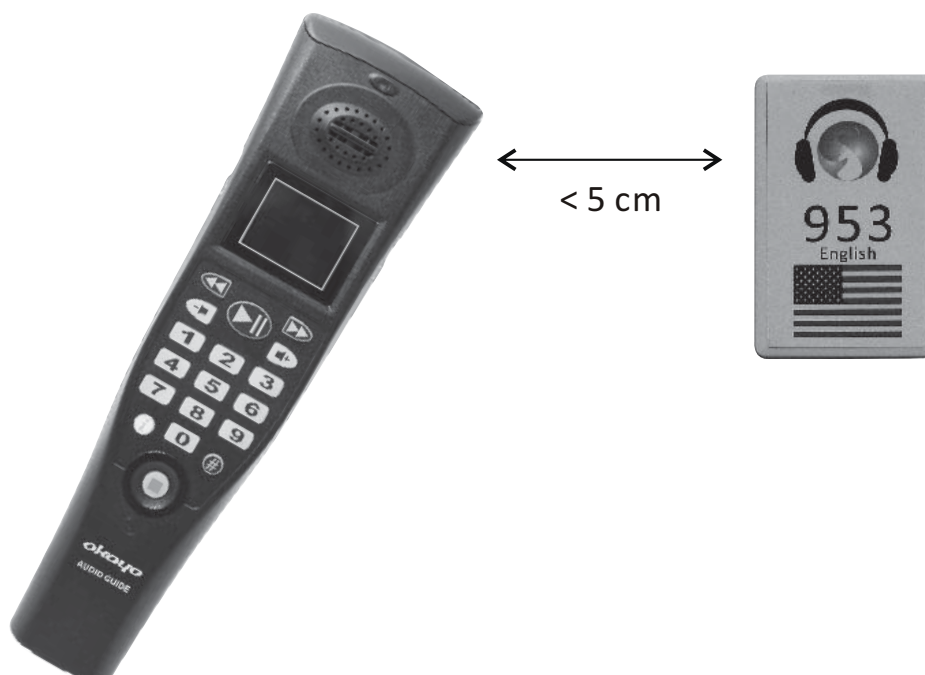● Indicator blinks in Red = low battery

RFID (Radio Frequency Identification) Tag; Proximity Tag

▣ How to operate

RFID (Proximity) Tag

Each tag can be programmed with one number code, from 0000 ~ 9999, through RFID tag writer (optional). Following tips of number code are helpful to plan your audio tour.

- 0000: served as "audio guide OFF".
- 951 - 982: served as "language number code".
- 0001 - 9999: served as "audio track number".

Auto Triggering

Get audio guide close to RFID tag to obtain an audio number code automatically. The audio guide will play accessed audio track automatically. Triggering range in 5 cm is ideal.

< 5 cm

Caution / Troubleshooting / Maintenance

Caution

1. DON'T operate the device in the rain or in humid circumstance.
2. Prevent the device from dropping.
3. Employ factory supplied Li-Poly battery only, to prevent feasible damage and danger.
4. DON'T tear battery apart in case it explodes.
5. Dispose battery with insulated package in case it explodes.

Troubleshooting

No Sound

- Make sure audio guide is uploaded / duplicated with audio content.
- Make sure memory card is available in device.
- Return audio guide to the dealer when you can't fix it with above check points.

No Picture

- Make sure audio guide is uploaded / duplicated with picture content.
- Make sure memory card is available in device.
- Return audio guide to the dealer when you can't fix it with above check points.

Failed to Turn ON

- Make sure Li-Poly battery is available in device.
- Return audio guide to the dealer when you can't fix it with above check point.

Maintenance

1. Prevent operating audio guide in high temperature and high humidity for a long time.
2. Charge audio guide at least 8 hours long, for first-time use.
3. Charge audio guide once a month when you don't use it for a long time.
4. Do not change Li-Poly battery by yourself. Contact your dealer for this service.

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