

# DCT-511

# DCR-511

2.4G DIGITAL TWO-WAY TOUR GUIDE SYSTEM

OPERATION MANUAL



ISO 9001:2008



ISO 14001



OHSAS 18001



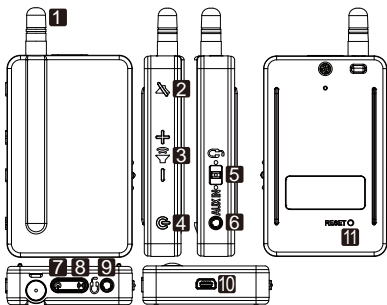
Green Product



## DCT-511 Mini transmitter

### Parts and functions

1. Antenna
2. Mute
3. Volume control
4. Power/frequency synchronizing
5. MIC-MIX-AUX IN mode switch
6. Aux input(Ø3.5mm)
7. Power indicator
8. Mute indicator
9. Earphone jack (Ø3.5mm)
10. Mini USB charging port
11. Reset



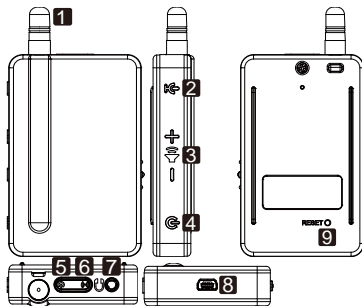
### Instructions

1. **Power ON/OFF:** To turn on the transmitter, press the power button ④ for one second and the power indicator ⑦ will turn green. It turns red when battery is low or during charging. To turn off the transmitter, press and hold the power button for about 3 seconds and the indicator light will go off.
2. To activate or cancel muting, press Mute button ②
3. To add music as background music, just input your audio signal to AUX IN ⑥. In a museum tour, you may also input the respective prerecorded introductions for various galleries.
4. **Audio mode switch ⑤:** If using only earphone, please switch to ⑤. For only music, please switch to **AUX IN**. To use earphone and play music simultaneously, please switch to the middle.
5. **Charging:** During charging, the red light will go off once the battery is full. The charging process takes approximately four hours. Charging can be done by either mini USB or the dedicated charging box.

## DCR-511 Mini receiver

### Parts and functions

1. Antenna
2. Press to talk
3. Volume control
4. Power/frequency synchronizing
5. Power indicator
6. Reception indicator
7. Earphone jack (Ø3.5mm)
8. Mini USB charging port
9. Reset



### Instructions

1. Power ON/OFF: To turn on the receiver, press the power button ④ for one second and the power indicator ⑤ will turn green. It turns red when battery is low or during charging. To turn off the receiver, press and hold the power button for about 3 seconds and the indicator light will go off.
2. Press to talk button ②: Press the talk button to talk with your guide and the conversation could be heard by other members. And release to stop.
3. Reception indicator ⑥: The LED stays green within the reception range from the tour guide. Once beyond the reception range, it will flash red and beep as a warning of dropout. In this case, please catch up and go nearer to the tour guide.
4. Charging: During charging, the red light will go off once the battery is full. The charging process takes approximately four hours. Charging can be done by either mini USB or the dedicated charging box.

### **Frequency synchronizing between DCT-511 and DCR-511**

1. Even though the transmitter and receiver (in the same package) were ready paired at the factory, it is highly recommended that before the tour begins, the receiver should do a fresh synchronization with the specific tour leader's transmitter.
2. Before synchronization, please make sure that the battery has enough power and then turn off the devices. Frequency synchronizing isn't workable if the power is weak with indicator glowing RED.
3. To begin the synchronization, press DCT-511's power button④ for five seconds till the mute indicator flashes green, which implies readiness to synchronize.
4. Press DCR-511's power button④ for five seconds till the reception indicator flashes green, which implies readiness to synchronize. Both mute and reception indicators will glow green after the setting is completed.
5. DCT-511's mute indicator will stop flashing after a setting period of about twelve seconds.
6. DCR-511's reception indicator will stop flashing after a setting period of about twelve seconds.
7. To synchronize mass receivers with the transmitter, just follow STEP 2 on all receivers simultaneously.
8. Once the transmitter and receiver are synchronized, they will stay synchronized and no synchronization is needed for next subsequent usages.

## LED status of DCT-511

Part	LED	Function
Antenna	1	Signal transmission
MUTE button	2	Muting ON / OFF
Volume Control	3	+ - Loudness
Power / Synchronization	4	Power ON / Off or Synchronization
MODE switch	5	MIC – MIX – AUX IN position switch
AUX IN	6	AUX IN (3.5mm)
Power LED	7	Power ON / OFF indicator
MUTE Indicator LED	8	MUTE ON / OFF or Synchronization indicator
Earphone IN	9	Earphone IN socket (3.5mm)
Mini USB socket	10	Charging port
Reset	11	Reset

## LED status of DCR-511

Parts	LED	Function
Antenna	1	Signal Receiving antenna
Press to Talk button	2	Press to Talk
Volume Control button	3	+ - Loudness
Power / Synchronization	4	Power ON / Off or Synchronization
Power Indicator	5	Power Indicator LED
Reception Indicator	6	Reception Indicator
Earphone Jack	7	Earphone input jack (3.5mm)
Mini USB socket	8	Charging port
Reset	9	Reset

### POWER Indicator (Transmitter⑦, Receiver⑤)

Both indicators are next to the individual antenna.

Action	Power LED	Indication
<ol style="list-style-type: none"> <li>1. Press Power button④ of transmitter for 1 second.</li> <li>2. Press power button④ of receiver for 1 second</li> </ol>	GREEN RED	Power ON Battery is low or charging is in progress
<ol style="list-style-type: none"> <li>1. When power is ON, Press Power button④ of transmitter for about 3 second.</li> <li>2. When power is ON, Press power button④ of receiver for about 3 second</li> </ol>	GREEN light goes off	Power is OFF
During charging	RED goes off	Battery is fully charged

### Before synchronization

#### Transmitter DCT-511

Action	Power LED⑦ (next to antenna)	Indication
Press transmitter POWER button④ for 1 second	<ol style="list-style-type: none"> <li>1. RED</li> <li>2. GREEN</li> </ol>	<ol style="list-style-type: none"> <li>1. Battery weak, not ok for synchronization</li> <li>2. Battery good, ok for synchronization</li> </ol>

#### Receiver DCR-511

Action	Power LED⑤ (next to antenna)	Indication
Press transmitter POWER button④ for 1 second	<ol style="list-style-type: none"> <li>1. RED</li> <li>2. GREEN</li> </ol>	<ol style="list-style-type: none"> <li>1. Battery weak, not ok for synchronization</li> <li>2. Battery good, ok for synchronization</li> </ol>

**During Synchronization**

Synchronization indicator LEDs to watch:

Transmitter MUTE indicator LED ③ (next to Earphone IN)

Receiver Reception indicator LED ⑥ (next to Earphone IN)

Action	LED	Indication
Press transmitter DCT-511 power button ④ for 5 seconds	MUTE indicator ③ flashes GREEN	Transmitter is ready for synchronization
Press receiver DCR-511 power button ④ for 5 seconds	RECEPTION LED ⑥ flashes GREEN	Receiver is ready for synchronization
After performing the above actions	Both MUTE LED ③ and RECEPTION LED ⑥ glowing permanent GREEN	Synchronization setting is DONE and system is ready for use.

**Federal Communication Commission Interference Statement**

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 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.

**FCC Caution:** To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

**FCC Radiation Exposure Statement**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.



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**CHIAYO ELECTRONICS CO.,LTD.**

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