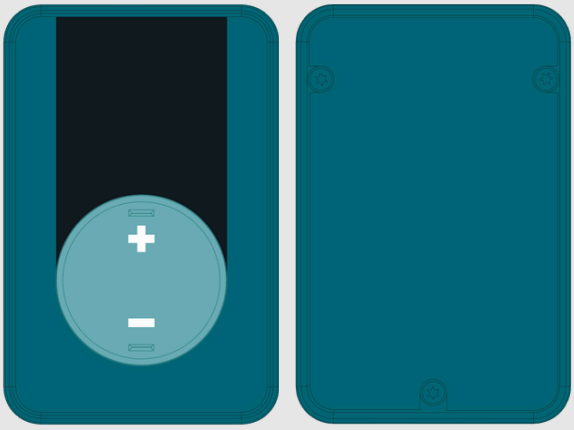
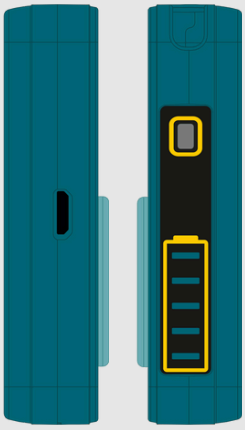
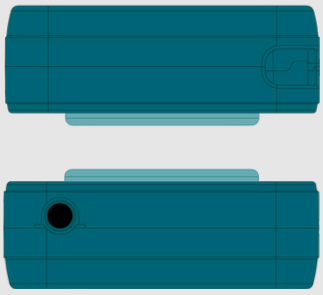
# TOUR-GUIDE SYSTEM
# DUO *(DCS-210TW)*



*Front/Rear view*



*Side view*



*Top/Bottom view*

## Kit Contents

The basic package includes:

- DRT-210TW transmitter
- DRR-210TW receiver
- Headset (headphones with microphone)
- Charging case
- User manual
- The mobile application from *Crystal Sound*

## Additional specifications

- **Output power:** 10 mW
- **Frequency range:** 2.4 - 2.483 GHz
- **Bluetooth** LE 5.0 support
- **Battery:** 920 mAh
- **Power supply voltage:** 3.2 - 4.1 V
- **Charging case/station power supply:** 220 V mains
- Charging of up to **36 devices** simultaneously
- Short circuit **protection**
- Battery overcharge **protection**
- **Automatic power-saving** on/off
- Device status and battery level **indication**

## General specifications

- **Continuous battery operation time:** up to 50 hours
- **Signal reception range:** up to 150 m
- **Standby Mode Until Full Discharge:** 2400 hours (100 days)
- **Full battery charging time:** 2.5 hours

## Dimensions

- **Dimensions:** 68 x 45 x 15 mm
- **Weight with power supply:** 43 g
- **Dimensions of the charging for case 36 device:** 350 x 260 x 110 mm
- **Weight of the charging case for 36 devices:**
  - Empty: 2.7 kg
  - Fully loaded: 4.8 kg
- **Operating temperature range:** -10°C to +45°C

CrystalSound

# *DESCRIPTION*

The **DUO Intercom** is a tour guide system that allows for two way communication between participants. This means that users can speak and transmit their voice to the speaker's device as well as to all other participants in the group.

The **DUO Intercom** kit supports both radio reception and transmission, enabling two-way communication. The devices are equipped with a 3.5 mm Jack connector for connecting a headset (microphone and headphones), as well as a mute button for sound control.

Additionally, the kit comes with a charging station that can simultaneously charge up to 36 devices.

# *INTERCOM OPERATING PRINCIPLE*

The Intercom mode allows event participants to engage in two-way voice communication. The main transmitter and two auxiliary transmitters can transmit speech simultaneously, and users with receivers can communicate in turn by holding any button.

Users with transmitters can hear both each other's speech and messages from receivers. To use this mode, users need to synchronize their devices, connect headsets, and adjust the volume as needed.