



# GoRef Pro

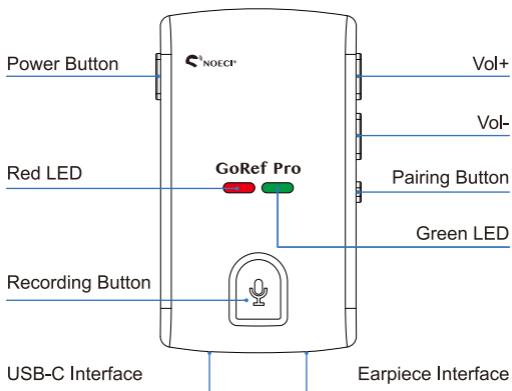
## User Manual



**REFEREE COMMUNICATION SYSTEM**

# 1. ABOUT

## 1.1 Product Details



## 1.2 Package Contents



GoRef Pro Unit



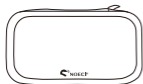
USB-C Cable



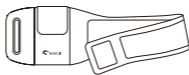
Manual



Earpiece



Box



Armband



Spare Parts

## 2. GET STARTED

### 2.1 Operation Instruction



Single-click



Double-click



1s Long Press

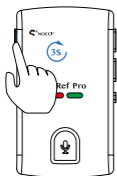


Press Simultaneously



5s Press Simultaneously

### 2.2 Power On/Off



#### Power On

? "Power on"

● ● Red & Green light



#### Power Off

? "Power off"

● ● Lights off

Press and hold the **Power Button** for 3 seconds until the red and green LEDs light up.

Press and hold the **Power Button** for 3 seconds to turn off.

### 2.3 Volume Control



Vol+: Single-click the **Vol+ Button**

Vol- : Single-click the **Vol- Button**

## 2.4 Mute Function



Double-click the *Power Button* to mute your microphone.

? "Microphone Mute"

Double-click the *Power Button* again to unmute.

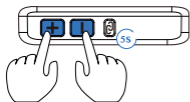
? "Microphone Unmute"

## 2.5 Charging



Charging: ■ Red LED solid  
Fully charged: ■ Red LED turns off

## 2.6 Reset Function



Press and hold the *Vol+ Button* and *Vol- Button* simultaneously for 5 seconds. The red and green LED indicators will confirm by flashing rapidly four times.

● ● Red and green LEDs perform four rapid flashes simultaneously

## 2.7 Power Enquiry

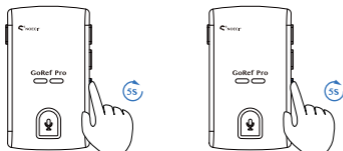


Press and hold the *Power Button* and *Vol+ Button* simultaneously for 1 second to check battery status.

? "Battery high"  
? "Battery normal"  
? "Battery low"

# 3. INTERCOM PAIRING

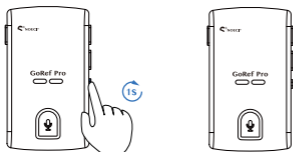
## 3.1 Two Units Pairing



- ❶ Power on both units. Press and hold the *Pairing Button* on each unit for 5 seconds until their red and green LED indicators flash alternately. The units will enter pairing mode.

⌚ "Enter pairing mode"

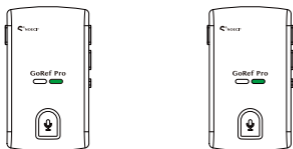
●● Red and Green LEDs flash alternately



- ❷ Choose one unit as main unit, press and hold the *Pairing Button* for 1 second until its red and green LED indicators double flash alternately.

⌚ "Pairing"

●● Red and Green LEDs double flash alternately



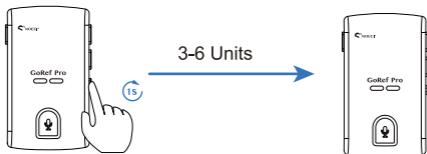
- ❸ Both units will automatically search for each other and pair. Once paired successfully, you can start communicating.

Radio 1: ● Green LED single flash

Radio 2: ● Green LED double flash

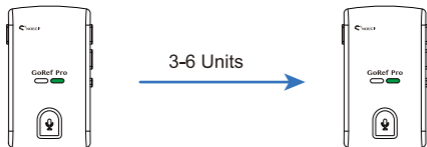
## 3.2 Multiple Units Pairing

- 1 Follow the same pairing steps as in 3.1.1 to enter pairing mode on all units.



- 2 Choose one unit as the main unit. Press and hold its **Pairing Button** for 1 second until the red and green LED indicators double flash alternately.

? "Pairing"      ●● Red and Green LEDs flash twice alternately



- 3 The units will automatically search for each other and form a paired group. Once the group is successfully formed, you can start communicating.

Radio 1: ● Green LED single flash  
Radio 2: ● Green LED double flash  
⋮  
Radio 6: ● Green LED six-flash

## 3.3 Automatic Reconnection for Future Use

After the initial setup, all devices will automatically reconnect to each other when powered on. No need to pair again for daily use unless a unit is reset (see section 2.6).

## 3.4 Identifying Unit Number



- |             |          |                          |
|-------------|----------|--------------------------|
| ? "Radio 1" | Radio 1: | ● Green LED single flash |
| ? "Radio 2" | Radio 2: | ● Green LED double flash |
| ? "Radio 3" | Radio 3: | ● Green LED triple flash |
| ? "Radio 4" | Radio 4: | ● Green LED four-flash   |
| ? "Radio 5" | Radio 5: | ● Green LED five-flash   |
| ? "Radio 6" | Radio 6: | ● Green LED six-flash    |

Double-click the *Pairing Button* then hear the voice promote announcing the unit's assigned number within the group. The unit number may also be indicated by specific LED flashes.

## 4. RECORDING

### 4.1 Recording On



Press and hold the *Recording Button* for 1 second to turn on the Record function. It will record the sounds from both microphone and speaker.

- ? "Recording On" ● Red LED solid

### 4.2 Recording OFF



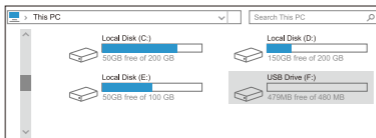
Press and hold the *Recording Button* for 1 second again to turn off the Recording function.

- ? "Recording Off" ● Red LED turns off

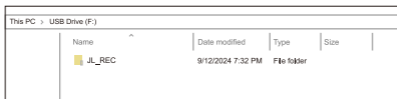
## 4.3 Retrieving Recordings via USB-C

- 1 Connect the *GoRef Pro* to a computer using the provided USB-C cable.

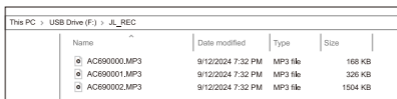
● Red LED solid



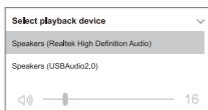
- 2 Open File Explorer, navigate to "This PC", then identify the 480MB removable drive labeled as USB Drive or Removable Disk among available storage devices.



- 3 Access the recording directory by opening folder "JL-REC." Then check all the recordings.



All files show fixed date: 2024/12/09 (System timestamp limitation).  
File sequence number (Lower numbers = Earlier recordings).



*After connecting the device, if you cannot hear playback audio, ensure your computer's sound output is set to its default speakers (e.g., Realtek Audio), not the USB audio device.*

## 4.4 Recording Duration & Storage

Capacity: Support ~ 5 hours recording.

Overwrite: New files replace oldest recordings automatically when storage full.

Critical Notice:

- Export recordings immediately after use.
- For long sessions (>4hrs):
  - ➔ Check space by connecting to computer.
  - ➔ Export files periodically.

## 4.5 Crash-Protected Recording Preservation

The GoRef Pro is designed with a robust recording preservation system. In the event of an unexpected shutdown during recording, the device will endeavor to automatically save the audio data recorded up to the very last second before power-off.

*Note: While our crash-protection technology is highly reliable, we strongly recommend exporting recordings promptly after use. NOECI shall not be liable for data loss under extreme circumstances beyond® our control, including but not limited to catastrophic hardware failure or irrecoverable file system corruption.*

## 5. Hardware Force Reset

Use this procedure only as a last resort when the device does not respond to standard commands. Do not use for normal power off.



Press the **Power Button** and **Pairing Button** simultaneously. The LEDs will briefly flash off to confirm.

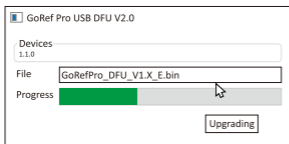
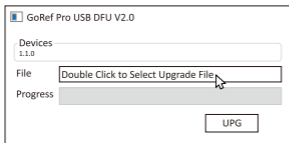
## 6. Firmware Update

*Warning: Do not disconnect the device or shut down the upgrade tool during the process. A failed firmware update may render the device inoperable.*

- 1 Connect the *GoRef Pro* to a computer using the provided USB-C cable.



- 2 Open the upgrade tool on your computer, the UPG tool will read the current firmware version. Double-click to browse and select the new firmware file (with a .bin extension).



- 3 Once the upgrade is finished, the tool will display "Upgrade Complete". If show any failed, please try it again with a different USB port or check the devices showing version is upgraded or not.

