Roland

R-07

High Resolution Audio Recorder

Owner's Manual

Bluetooth®

Check the contents of the package

The R-07 comes with the following items. As soon as you open the package, please check that all these items are present.

If anything is missing, please contact your dealer.

☐ **R-07 recorder**

☐ **microSD card**

This is inserted in the R-07 itself. A memory card is required in order to carry out recording and playback with the R-07.

☐ **Batteries (Alkaline battery (AA, LR6) x2)**

☐ **Owner's manual**

This is the document you're reading. Keep it available for reference when needed.

☐ **Leaflet "USING THE UNIT SAFELY"**

Before using this unit, carefully read the leaflet. After reading, keep the document(s) where it will be available for immediate reference.

PDF Manual (download from the Web)

• Reference guide

This explains all functions of the unit.

To obtain the PDF manual

1. **Enter the following URL in your computer.**
   http://www.roland.com/manuals/

2. **Choose "R-07" as the product name.**

Panel Descriptions

Built-in mics

This is a stereo mic built into the unit.

Display

This shows various types of information for the R-07.

PEAK indicator

This will light when the input volume is excessive.

Bluetooth indicator

This blinks when pairing with a Bluetooth speaker or headphones (p. 10).

It is lit if the R-07 is connected to a Bluetooth speaker or headphones, or when the remote control is on (p. 16).

[SCENE] button

This button lets you switch scenes (p. 12) that recall settings suitable for a specific recording situation.

Long-press this button to flip the display vertically.

[MENU] button

This button lets you make various settings for the R-07, such as recording/playback settings and specifying the date and time.

Remote indicator

| Operation	Status
Lit	Recording
Blinking (slow)	Record-standby
Blinking (fast)	Input overload

[REHEARSAL] button

This button automatically sets the appropriate recording level.

[A◄ ►B] button

This button lets you repeatedly play between two points (the A–B region) of a file. When you assign an "A" marker and "B" marker in the file, playback will repeat between the "A" and "B" markers. Pressing the button the first time assigns the "A" marker, and pressing it a second time assigns the "B" marker.

[MARK] button

For a WAV file, you can press this button to add a mark at a desired location. If you press this button at a marked location, the mark is removed.

3
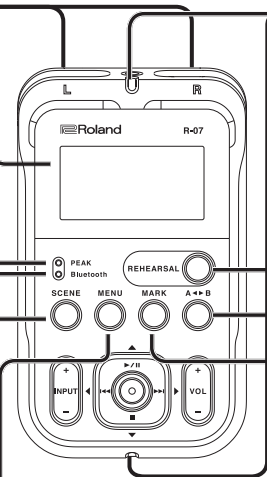
Panel Descriptions

[►/II] button

Press this button to start playback, or to pause playback or recording.

This button also moves the cursor upward in the screen, or changes the value of the selected item.

[I◄◄] button

Press this button to move to the beginning of the file, or to select the previous file. For a WAV file that contains marks, this button returns to the previous mark. By holding down this button, you can rewind through the file.

You can do this during playback or while stopped.

This button also moves the cursor to the left in the screen, or changes the value of the selected item.

INPUT [+] [−] buttons

These buttons adjust the level of the audio that's being input via the built-in mics, the MIC/AUX IN jack.

Pressing [+] will increase the input level.
Pressing [−] will decrease the input level.

[►►I] button

Press this button to select the next file. For a WAV file that contains marks, this button advances to the next mark. By holding down this button, you can fast-forward through the file.

You can do this during playback or while stopped.

This button also moves the cursor to the right in the screen, or changes the value of the selected item.

VOL [+] [−] buttons

These buttons adjust the volume that is output from the built-in speaker, the PHONES jack or the Bluetooth device.

[●] button

Press this button to enter recording-standby mode or to begin recording.

You'll also use this button to confirm a selection.

[■] button

This button stops playback or recording.

This button also moves the cursor downward in the screen, or changes the value of the selected item.

REC/PLAY indicator

Operation	Status
Lit red	Recording
Blinking red	Record-standby
Lit green	Playing
Blinking green	Play-standby

4

English

日本語

Deutsch

Français

Italiano

Español

Português

Nederlands
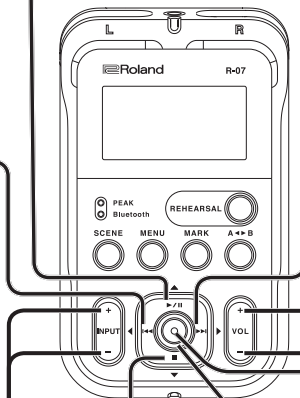
MIC/AUX IN jack

Use this if you want to connect an external mic, audio device or electronic musical instrument.
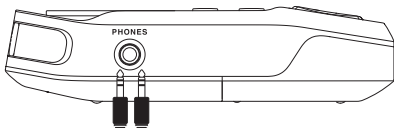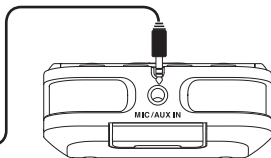
### PHONES jack

You can connect headphones here (p. 10).

[POWER] switch

Slide this switch toward POWER to turn the power on/off (p. 8). With the power turned on, you can set this switch to the right to enable the HOLD function

If you leave HOLD on, operation is disabled for all buttons, preventing unintended operation. Even if HOLD is on, you can still operate the R-07 from a mobile device (p. 16).
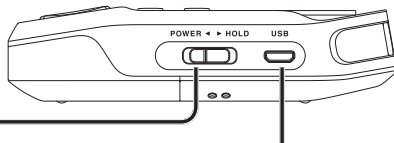
USB port

Use a commercially available USB cable to connect this to your computer. This allows files recorded on the R-07 to be transferred to your computer, or WAV and MP3 files from your computer to be copied to the R-07 for playback.

*   Do not use a micro USB cable that is designed only for charging a device. Charge-only cables cannot transmit data.

Panel Descriptions

microSD card slot
Insert the microSD card into this slot. When the R-07 is shipped from the factory, a microSD card is inserted.

Built-in speaker
This is the R-07's internal speaker.

Battery compartment
Install batteries here (p. 8).
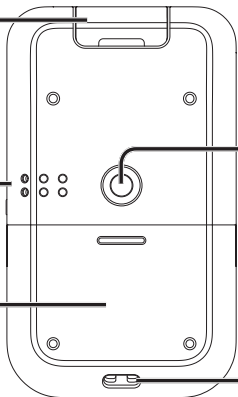
Tripod mounting socket
This socket lets you attach the R-07 to a commercially available camera tripod.
(The socket is threaded for a 1/4" screw.)

Strap hole
The strap can be passed through this hole.

About microSD cards
* Some memory card types or memory cards from some manufacturers may not record or play back properly on the unit.

Panel Descriptions

Main Screen

Here we'll explain the principal icons and information shown in the main screen.

Playing / Stopped

Song name — □R07_0001.WAV

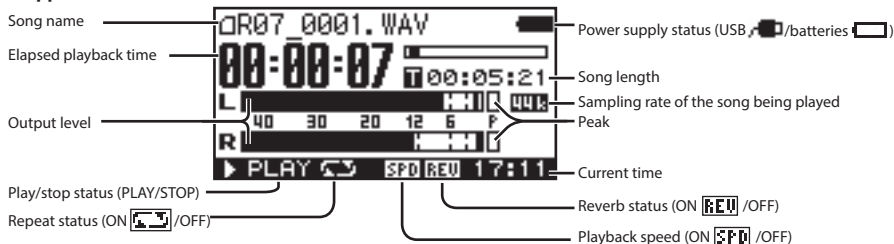Elapsed playback time — 00:00:07 — ⊤00:05:21

Output level — L / R — Power supply status (USB/batteries)

Song length

Sampling rate of the song being played — 44k

Peak

Play/stop status (PLAY/STOP) — ▶ PLAY ⟳ — SPD REV — 17:11

Repeat status (ON/OFF)

Reverb status (ON REV /OFF)

Playback speed (ON SPD /OFF)

Current time

Recording

Song name — □R07_0001.WAV

Elapsed recording time — 00:00:07 — ℝ00:50:36

Input level — L / R — Power supply status (USB/batteries)

Remaining recordable time on the memory card

Sampling rate during recording — 44k

Peak

Record/recording-standby status (REC/STANDBY) — ● REC — P-IN LMT 17:17

Current time

Limiter/AGC status (ON LMT /AGC AGC /OFF)

Plug-in power status (ON P-IN /OFF) (Appears only when external mic has been connected.)

日本語 Deutsch Français Italiano Español Português Nederlands

7

Getting Ready

1. Turning the Power On/Off

Types of batteries that can be used
- Alkaline battery (AA, LR6)
- Rechargeable Ni-MH battery (AA, HR6)

NOTE

> The R-07 itself is not able to recharge rechargeable Ni-MH batteries. You'll need to use a battery charger designed for rechargeable Ni-MH batteries.

1. Make sure that the power is off.

If the power is on, turn it off. Slide the R-07's [POWER] switch toward POWER to turn the power on/off.

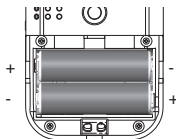**2. Open the cover of the battery compartment located on the bottom of the unit.**

Turn the R-07 over, then slide the cover downward while pressing the area circled in the illustration.
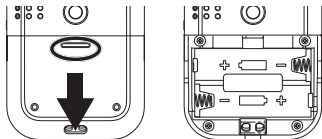
* When turning the unit over, be careful so as to protect the buttons and knobs from damage. Also, handle the unit carefully; do not drop it.

3. Install the batteries.

Install two AA batteries in the compartment, making sure that the polarity (+/– orientation) is correct.

4. Close the cover of the battery compartment.

5. Slide the [POWER] switch toward POWER for several seconds; the power will turn on.
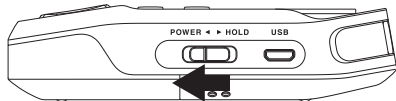
When the power turns on, a screen like the following will appear in the display. We'll call this the "main screen."

6. To turn the power off, slide the [POWER] switch once again toward POWER for several seconds.

Note when using the R-07 on batteries
• •

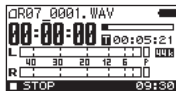- If you handle batteries improperly, you risk explosion and fluid leakage. Make sure that you carefully observe all of the items related to batteries that are listed in "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (leaflet "USING THE UNIT SAFELY).

- Do not mix fresh batteries with used batteries, and do not mix batteries of different types.

- If you won't be using the R-07 for an extended period of time, we recommend that you remove the batteries to prevent them from leaking electrolyte.

- If electrolyte should leak from the batteries, use a soft cloth to wipe the battery compartment clean, and then install new batteries. Electrolyte that contacts your skin might cause irritation. Electrolyte that enters your eyes is dangerous; if this occurs, immediately flush your eyes thoroughly with water.

- Do not carry or store batteries together with metallic objects such as pens, necklaces, or hairpins.

Power conservation function

The power to this unit will be turned off automatically after a predetermined amount of time has passed since it was last used for playing music, or its buttons or controls were operated (Auto Off function).

If you do not want the power to be turned off automatically, disengage the Auto Off function. For details, refer to the reference guide (PDF).

- Any settings that you are in the process of editing will be lost when the power is turned off. If you have any settings that you want to keep, you should save them beforehand.

- To restore power, turn the power on again (p. 8).

Remaining battery indication

- When the remaining battery power runs low, a battery low icon appears in the upper right of the display. When this appears, install fresh batteries as soon as possible. If you continue to use the unit in this state, the display will indicate "Battery Low," and finally the R-07 will stop functioning entirely.

Battery life (when using alkaline batteries)

Continuous playback	approximately 15 hours
Continuous recording	approximately 15 hours

* The above battery lifespans are approximate. Battery life will vary depending on environmental conditions and the method of use.

2. Specifying the Battery Type

1. **Press [MENU] to access the "Menu" screen, use [▶/II]/[■] to select "Power Manage," and press [●].**

2. **Use [▶/II]/[■] to move the cursor to the Battery setting, and use [I◀◀]/[▶▶I] to specify the type of battery that you're using.**

   ```
   Power Manage
   Auto Off:
                    30min
   Battery:
             ALKALINE
   ```

3. **Press [MENU] twice to return to the main screen.**

English

日本語

Deutsch

Français

Italiano

Español

Português

Nederlands

9
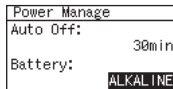
3. Setting the Date and Time

After you turn on the power for the first time, you'll need to set the internal clock as follows. The date and time you specify are used as the time stamp for the files that are recorded.

1. **Press [MENU] to access the "Menu" screen, use [▶/II]/[■] to select "Date & Time," and press [●].**

NOTE

- The internal clock is powered by batteries. If the R-07 is left for several minutes with batteries removed, the internal clock will return to its default state. When you turn on the power in this state, the message "Clock Initialized" will appear.

- If the screen indicates "Clock Initialized," you'll need to reset the date and time.

2. **Set the date and time.**

   Use [I◀◀]/[▶▶I] to move the cursor left/right.

   When the cursor is at the position of the character you want to change, use [▶/II]/[■] to change the date and time, and press [●] to confirm the setting.

```
Date & Time
2017-02-03(FRI)
   (YYYY-MM-DD)
   15:36:00
Set,  Push [REC]
```
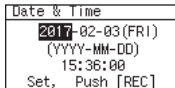
3. **Press [MENU] to return to the main screen.**

4. Using Headphones

The R-07 has a built-in speaker. You can listen to the playback through this speaker, or you can connect headphones for listening. You can also connect Bluetooth headphones to the R-07 and listen wirelessly to the playback.

* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

Connecting **Bluetooth**® Headphones

Supported codecs: SBC, Qualcomm® aptX™ audio, Qualcomm®aptX™ Low Latency audio

Registering a Bluetooth device (Pairing)

"Pairing" is the procedure by which the mobile device that you want to use is registered on this unit (the two devices recognize each other).

Once a mobile device has been paired with this unit, there is no need to perform pairing again. After the R-07 starts, it searches for the previously-connected device, and connects automatically.

1. **Place the Bluetooth device that you want to connect near the R-07, power-on the device, and put it in pairing mode.**

   For details, refer to the owner's manual of your Bluetooth device.

2. **Press [MENU] to access the "Menu" screen, use [▶/II]/[■] to select "Bluetooth," and press [●].**

3. **Use [▶/II]/[■] to select "Pairing Audio" and press [●].**

4. **Use [I◀◀]/[▶▶I] to choose "Yes,"
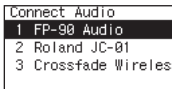   and then press [●].**

   The display indicates "Pairing...", and
   this unit waits for a response from the
   Bluetooth device.

   ```
   Pairing Audio
      Are you sure?
        No    Yes
   Select and push[REC]
   ```
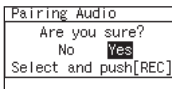
   When pairing succeeds, the display indicates "Completed." and
   sound can be output from the Bluetooth device.

Connecting an already-paired Bluetooth device

1. **Press [MENU] to access the "Menu" screen, use [▶/II]/[■]
   to select "Bluetooth," and press [●].**

2. **Use [▶/II]/[■] to select "Connect Audio" and press [●].**

3. **Select the playback device that
   you want to use, and press [●].**

   ```
   Connect Audio
   1 FP-90 Audio
   2 Roland JC-01
   3 Crossfade Wireless
   ```

4. **Use [I◀◀]/[▶▶I] to choose "Yes," and then press [●].**

   The display indicates "Connecting...", and this unit waits for a
   response from the Bluetooth device.

   When the connection succeeds, the display indicates "Completed."
   and sound can be output from the Bluetooth device.

English

日本語

Deutsch

Français

Italiano

Español

Português

Nederlands

Recording

1. Recalling Settings for Specific Purposes

The R-07 provides settings that are suitable for various recording situations. These settings are called "scenes."

1. Press [SCENE] to access the "Scene" screen, and use [I◀◀]/[▶▶I] to change the Scene setting.

Scene	Explanation	Sample Rate	Rec Mode	Limiter	Low Cut	Input Level
OFF	Choose this if you want to make settings manually.					
Music HiRes	Settings appropriate for high-quality recording of a band performance that's not high-volume, or of an acoustic instrumental performance.	96 kHz	WAV-24 bit	ON	OFF	60
Music CD	Settings for CD-quality recording.	44.1 kHz	WAV-16 bit	ON	OFF	60
Music Long	Settings for extended-duration recording.	44.1 kHz	MP3-192 kbps	ON	OFF	60
Loud Live	Settings appropriate for high-volume performances such as in a club.	44.1 kHz	WAV-24 bit	OFF	OFF	25
Loud Practice	Settings appropriate for extended-duration recording at high volume, such as in a practice studio.	44.1 kHz	MP3-192 kbps	OFF	OFF	25
Instrument	Settings appropriate for recording a nearby instrument.	44.1 kHz	WAV-24 bit	ON	OFF	60
Vocal	Settings appropriate for recording a nearby vocal.	44.1 kHz	WAV-24 bit	ON	100 Hz	60
Voice Memo	Settings appropriate for non-musical recording, such as a conference, lecture, or speech.	44.1 kHz	MP3-128 kbps	AGC	200 Hz	AUTO
Field	Settings appropriate for recording the sounds of nature, such as birdcalls or the murmuring sound of a river.	96 kHz	WAV-24 bit	ON	100 Hz	80

Even after selecting a scene, you can edit the Sample Rate, Rec Mode, Limiter, Low Cut, and Input Level values. You can then save the changes you made.

For details on how to save your changes, and more about the Limiter and the Low Cut filter, refer to the reference guide (PDF).

2. Specifying the Recording Quality

You can specify the audio quality with which the recording will be made.

The audio quality setting is a combination of the Sample Rate and the Rec Mode. The audio quality will affect the size of the file, and will also affect the length of time over which recording can take place with an microSD card.

Consider whether audio quality or length of recording are more important for your situation, and choose the quality that's appropriate for you.

1. **In the "Scene" screen, use [►/II]/[■] to move the cursor to the Sample Rate line, and use [I◄◄]/[►►I] to change the sample rate setting.**

   ```
   Scene:      Music HiRes
   Sample Rate: 96.0kHz
   Rec Mode:    WAV-24bit
   Limiter:          ON
   Low Cut:          OFF
   ```

Sample Rate	44.1 kHz, 48.0 kHz, 88.2 kHz, 96.0 kHz (default)

   * If this setting is 88.2 kHz or 96.0 kHz, the only choices for REC Mode are WAV-16 bit and WAV-24 bit.

2. **Use [►/II]/[■] to move the cursor to Rec Mode, and use [I◄◄]/[►►I] to change the Rec Mode setting.**

   ```
   Scene:      Music HiRes
   Sample Rate: 96.0kHz
   Rec Mode:    WAV-24bit
   Limiter:          ON
   Low Cut:          OFF
   ```

Rec Mode	2xWAV-16 bit, 2xWAV-24 bit, WAV+MP3, MP3-64 kbps, MP3-96 kbps, MP3-128 kbps, MP3-160 kbps, MP3-192 kbps, MP3-224 kbps, MP3-320 kbps, WAV-16 bit, WAV-24 bit (default)

* 2xWAV-16 bit, 2xWAV-24 bit, MP3 and WAV+MP3 can be selected only if the Sample Rate is 44.1 kHz or 48.0 kHz.

* If you select WAV+MP3, the setting is fixed at WAV-16 bit and MP3-128 kbps.

3. **Press [SCENE] to return to the main screen.**

3. Adjusting the Input Level

Here we explain the procedure for using the rehearsal function.

MEMO

Although you can also make adjustments manually or by using LIMITER/AGC, please refer to the reference guide (PDF) for details on those settings.

* If LIMITER/AGC is set to AGC, the rehearsal screen is not shown.

1. **Press [MENU] to access the "Menu" screen, use [►/II]/[■] to choose "Input," and then press [●].**

2. **Use [►/II]/[■] to move the cursor to the Rehearsal Time setting, and use [I◄◄]/[►►I] to specify the time.**

   ```
   Input
   Low Cut Freq.:
                    OFF
   Rehearsal Time:
                    1min
   ```

Rehearsal Time	Manual, 30 sec, 1 min (default), 3 min, 5 min

3. **Press [MENU] twice to return to the main screen.**

日本語

Deutsch

Français

Italiano

Español

Português

Nederlands

4. Point the mic toward the source you want to record, and press [REHEARSAL].

```
Rehearsal
     Adjusting..
     Remain: 00:56
■ STOP            15:39
```

The recording level will automatically be set according to the loudest volume that occurs during the specified Rehearsal Time. At the same time, the unit will also perform a test to determine the appropriate sensitivity for the mic.

> If you're recording music such as an instrumental or vocal performance, you should play the loudest portion of the song.

If the Rehearsal Time is set to MANUAL, press [■] to finish the rehearsal.

4. Recording

1. Press [●].

The REC/PLAY indicator blinks red; the R-07 is in the record-standby state.

**2. Press [●] or [▶/II].**

The REC/PLAY indicator will light red, and recording will begin.

MEMO

After recording starts, you can set the [POWER] switch to the HOLD position so that accidental button presses do not stop the recording or change the input level.

NOTE

- Acoustic feedback might occur if you record while an external speaker is connected. Turning "Rec Monitor Sw" OFF prevents acoustic feedback.

```
Input
Rec Monitor Sw:
               OFF
EXT Mic Type:
            STEREO
```

- The built-in mics cannot be used if a mic or other device is connected to the MIC/AUX IN jack. If you want to use the built-in mics, do not connect anything to the MIC/AUX IN jack.

- You can't turn off the power during recording. You must stop recording before you can turn off the power.
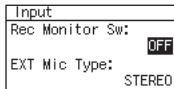
3. Press [■] to stop recording.

The REC/PLAY indicator will go out.

The display will show the file that was recorded.

MEMO

- To pause, press [▶/II]. To disengage pause and resume recording, press [▶/II] once again.

- A file name such as R07_0001.WAV will be created automatically. The 0001 portion is assigned as a number that is one greater than the largest number of the existing files.

- If the Recorder parameter File Name is set to "Date," the date and time of recording will be the file name. For details, refer to the reference guide (PDF).

Playback / Using the Recorded Data

Playing Back Recordings with R-07

1. **Access the main screen.**
2. **Use [⏮]/[⏭] to select the file that you want to play.**

   MEMO

   If the display indicates "No Song," the current folder contains no files that the R-07 can play back.

   If the display indicates "No Card," no microSD card has been inserted.

3. **Press [▶/Ⅱ] to play the file.**

   The REC/PLAY indicator will light green.

   During playback, you can hold down [⏪] to rewind, or [⏩] to fast-forward. Normal playback will resume when you release the button.

   NOTE

   For some types of microSD card, the data reading speed may not keep up when rewinding or fastforwarding during playback, causing the rewind or fast-forward operation to stop.

   If this occurs, press [■] to stop playback. Then play back once again.

4. **Use VOL [+] [–] to adjust the volume.**
5. **Press [■] to stop playback.**

   The REC/PLAY indicator will go out.

Using Recordings with a Computer

Use a commercially available USB cable to connect the R-07 to your computer, and transfer the recorded files to the computer.

* For details on transferring files to your computer, refer to the reference guide (PDF).

  Recorded files can be used with music production DAW software or video editing software on your computer. For details on the formats that can be imported, and the import procedure, refer to the owner's manual of your software.

Creating an Audio CD

By using a device that is able to create audio CDs, such as the Roland CD-2 series, you can create an audio CD from files that were recorded on the R-07. For more about the CD-2 series, refer to the Roland website.

* If you intend to create an audio CD, set Sample Rate to 44.1 kHz and REC Mode to WAV-16 bit. Using the scene setting "MUSIC CD" is a convenient way to make these settings (p. 12).

English

日本語

Deutsch

Français

Italiano

Español

Português

Nederlands

15

Controlling the R-07 from a Mobile Device

Using **Bluetooth**® functionality lets you remotely control the R-07 from a mobile device such as a smartphone or tablet.

* The app supports iOS and Android.

1. Installing the App "R-07 Remote"

1. From the web browser of your mobile device, access the following URL.
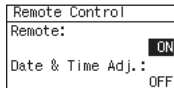**http://roland.cm/r-07**

From the page that appears, install the app that's appropriate for your mobile device.

2. Making Settings on the R-07

1. Press [MENU] to access the "Menu" screen, use [▶ / II]/[■] to choose "Bluetooth," and then press [●].

2. Use [▶ / II]/[■] to select "Remote Control," and press [●].
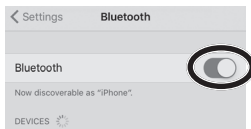
3. Press [▶▶] to turn Remote ON.
The Bluetooth indicator will light.

```
Remote Control
Remote:
                    ON
Date & Time Adj.:
                   OFF
```

4. Press [MENU] three times to return to the main screen.

3. Making Settings on the Mobile Device

1. Turn on the Bluetooth function of the mobile device.

MEMO

The explanation here uses the iPhone as an example. For details, refer to the owner's manual of your mobile device.

* Do not tap the "R-07" that is shown in the Bluetooth settings of the mobile device.

4. Starting the R-07 Remote

1. Place the mobile device that you want to connect nearby this unit.

MEMO

If you have more than one unit of this model, power-on only the unit that you want to pair (power-off the other units).

2. Start the R-07 Remote.

If you are starting the R-07 Remote for the first time, or if you have initialized the R-07's settings, tap the R-07 that appears.

When the connection is completed, the Bluetooth indicator is lit.