KORG BM-1 App User's Manual

Introduction

Thank you for purchasing a Korg product.

To help you get the most out of your new device, please read this manual carefully.

Please read this manual (KORG BM-1 App User's Manual) together with the "KORG BM-1 Owner's Manual" and the "KORG Bluetooth MIDI Connection Guide."

What is the KORG BM-1 App?

The KORG BM-1 App is an iOS app for configuring various settings for the BM-1, including Bluetooth settings, group settings, and firmware updates.

NOTE: The term "MIDI device" in this manual refers to any synthesizer, digital piano or MIDI controller with a MIDI connector (5-pin DIN).

"Bluetooth MIDI device" refers to any device (such as a Bluetooth MIDI controller) that features Bluetooth MIDI functionality. This may include devices such as a Windows PC, Mac or iPhone/ iPad that use Bluetooth MIDI, or a MIDI device to which the BM-1 is connected.

Operating requirements

· iOS 16 or later
· iPadOS 16 or later

Installation

Download KORG BM-1App (free) from the App Store.

How to connect with BM-1 App

1. Plug the KORG BM-1 into your MIDI device and turn it on.

Make sure the BM-1 is not connected to any other MIDI device with Bluetooth.

The LED is blue and blinking slowly.

NOTE: When the LED on the BM-1 is blue and blinking fast, it is connected to another MIDI device with Bluetooth. Refer to the "KORG Bluetooth MIDI Connection Guide" and disconnect the Bluetooth connection to another MIDI device.

2. Launch the "Settings" app on the iPhone/iPad and turn on Bluetooth.
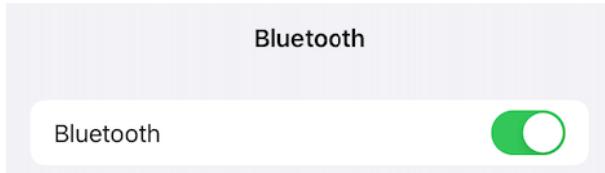

3. Start the KORG BM-1 App.

Automatically searches for nearby connectable Bluetooth devices and displays them in the device list. Click on BM-1.

NOTE: If you have changed the device name, it will appear as you have set it.
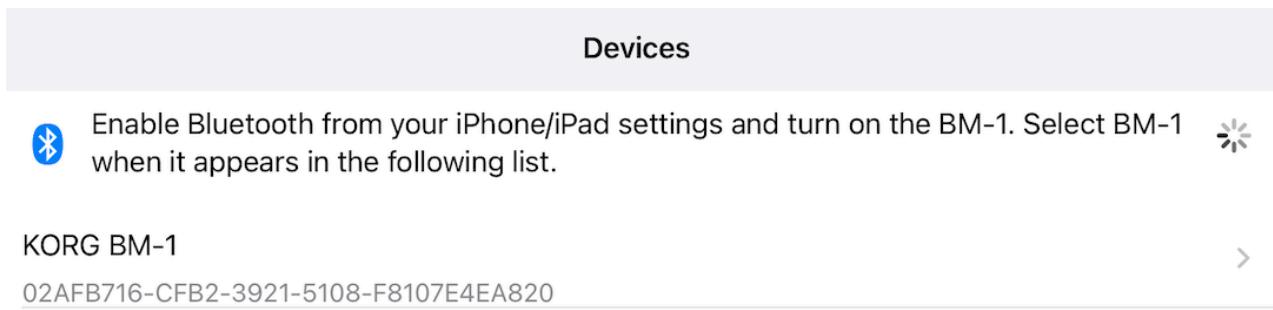
If the BM-1 does not appear in the list, make sure that Bluetooth access for the KORG BM-1 app is allowed in the "Settings" app on your iPhone/iPad.

4. When the "Bluetooth Pairing Request" alert appears, click "Pair".
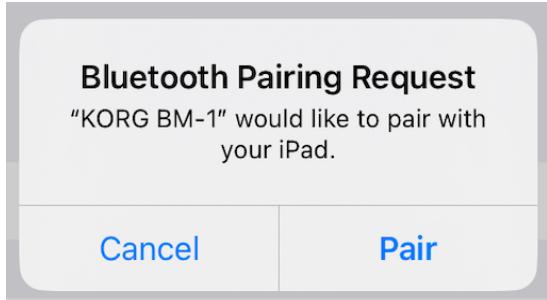
NOTE: If new firmware is available, update the firmware.

→ Please refer to p5 Update firmware.
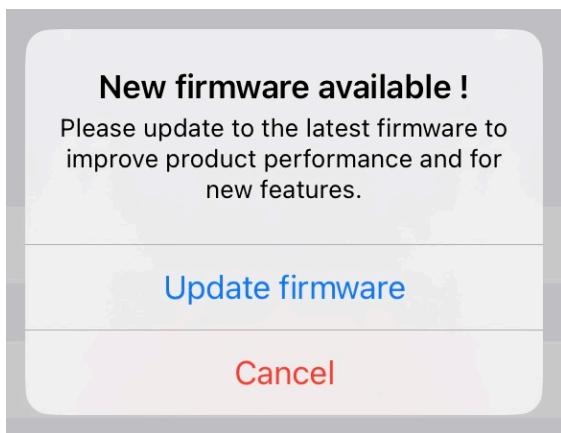
Parameter

Device Details

When the BM-1 is connected to the KORG BM-1 App, the device details will appear.

Connection Status

Status

Bluetooth Status 🔵	Connected
Device name	KORG BM-1 ✎
Serial number	8C 35 DA AB 2E 10 00 00
Firmware version	0.2.3.0
Hardware version	0.0.0.2
Settings	›

Group
F5 85 D8 AB 2E 10

Device name

Device name that appears on the Bluetooth. It can be changed by clicking on the pen icon.

To reflect the changes, turn off the BM-1 and restart it.

Group

The serial number of the BM-1 set in the group is displayed.

Action
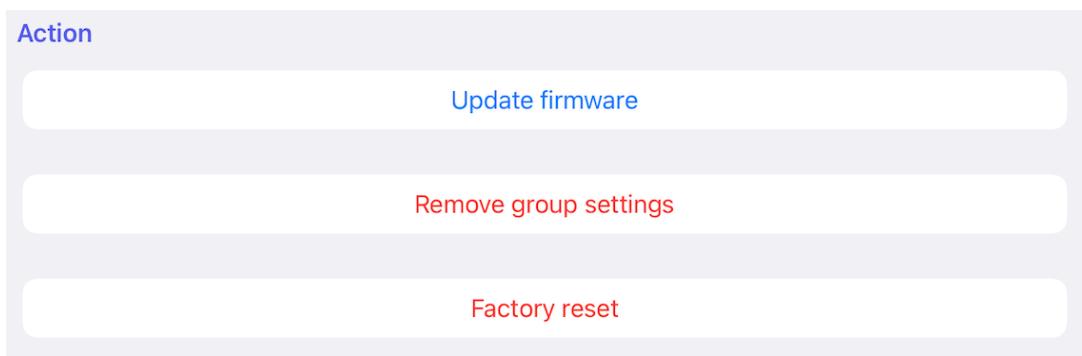
Update firmware

Please update the latest firmware to improve product performance and add new features.

Automatically retrieves the latest firmware from the server and updates the BM-1.

It requires Internet access.

1. The latest firmware will automatically be selected. Click "Update"
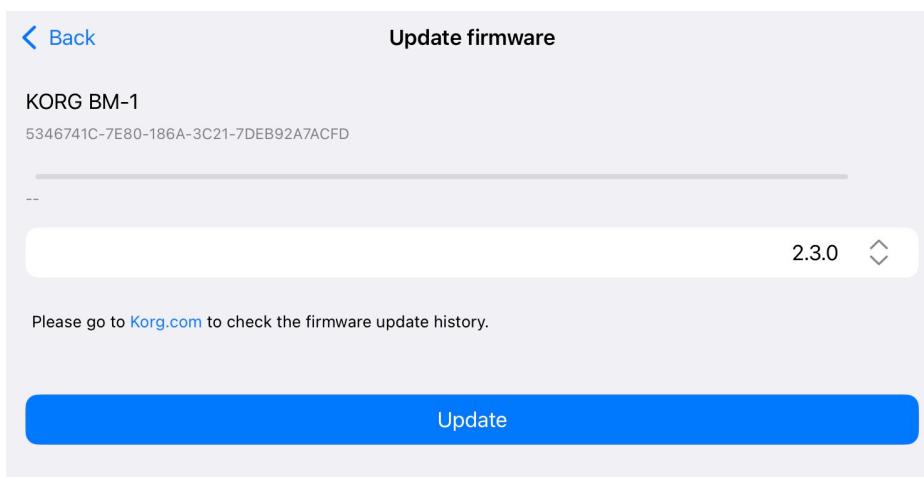
It displays the progress of firmware downloading and writing.

At this time, the LED on the BM-1 flashes quickly on green.

NOTE: Do not remove, insert, or operate the BM-1 until the update is complete.

2. When the firmware update is complete, click OK. The BM-1 will automatically reboot with the new firmware and the BM-1 App will return to the device list page.

Firmware update completed, device is rebooting on new image !

OK
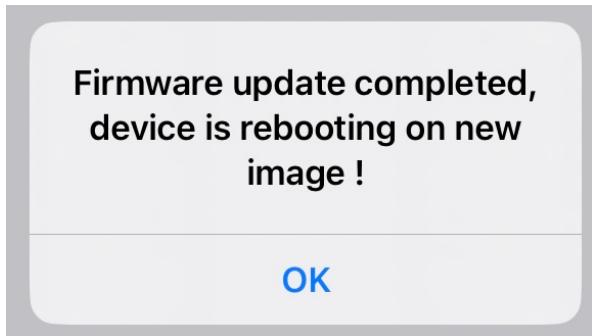
Remove group settings

Remove group settings from BM-1 configured for the central role.

Factory reset

All parameters and settings of BM-1 will be returned to their default values. (Group settings will also be removed.) Turn off the power to BM-1 and restart it.

Settings

Displays customizable parameters of BM-1.

Settings

BLE role	Auto
Auto:Connects to all BLE MIDI devices.
Force Peripheral:Connect to a computer or iPhone/iPad.

Tx power	+5 dB
The greater the transmitting power, the longer the Bluetooth connection distance and the greater the power consumption.

Tx mode	Prefer speed
Select speed priority or stability priority for data transmission.

Wired MIDI Thru	⬤
When turned ON, MIDI messages are returned from the main adapter to the sub adapter.

Group Auto-learn	⬤
Scans for available Bluetooth devices and automatically sets up groups of up to 4 devices.

BLE role

Under the BLE-MIDI (MIDI over Bluetooth Low Energy) standard, there are two roles that a device can play: "central" (the master device) and "peripheral" (the follower device).

・ Central role: scans the peripheral devices to establish a connection.

・ Peripheral role: transmits its own status as waiting for connection (connection request), and waits for the device that is assigned the central role to begin the connection.

BM-1 can be both central and peripheral role.

Auto (To all BLE MIDI devices)	BM-1 automatically switches roles between central and peripheral role.
Force Peripheral (To Computers)	BM-1 is set to a peripheral role. Connect to computer and iPhone/iPad.

Transmission power

The greater the transmitting power, the longer the Bluetooth connection distance and the greater the power consumption. Turn it down when you want to reduce power consumption.

[-20dB ~ +5dB]

Transmission mode

Select speed priority or stability priority for data transmission.

Prefer speed	It works at the fastest transmission speeds and transmits large amounts of data. Suitable for real-time performance data, etc.
Prefer stability	It works under accurate transmission conditions and provides stable data transmission. Suitable for MIDI clock data, etc.

Wired MIDI Thru

When turned ON, MIDI messages are returned from the main adapter to the sub adapter.

By connecting an optional MIDI cable (or TRS MIDI cable) to the sub adapter, wired MIDI OUT can be output simultaneously with Bluetooth MIDI OUT.

[ON / OFF]

Group Auto-learn

Automatically sets up a group to connect one BM-1 as the central role and up to four BM-1s as peripheral roles. After the group setting is complete, all BM-1s in the group are automatically connected each time the BM-1 is started. To enable this feature, follow the steps below.
[ON / OFF]

1. Turn on only one BM-1 and change the BLE roles to "Force Peripheral".
Disconnect the first BM-1 from the iPhone/iPad and turn it off.
→ p12 Please refer to Disconnection.

2. Turn on the second BM-1.
Repeat operation 1 and set all BM-1s you want to join the group to the peripheral role.

3. Turn on "Group Auto-learn" for the BM-1 that you want to be the central role.
   The BLE role is automatically set to "Auto".
   Disconnect BM-1 from iPhone/iPad.
   → p12 Please refer to Disconnection.

4. Turn on all BM-1s that you want to make group members.

5. Confirm that they are connected in a group.
   When the group connection is successful, the LED on BM-1 set to the central role will flash fast turquoise, and that set to the peripheral role will flash fast blue.
   If the LED status is different, the group connection has failed and you should start again from setting 1.

When all the BM-1s in the group are connected, press the mode button on the BM-1 in the central role to save the group.

NOTE: For more information on group functions, please refer to Groups section.

Manual group settings

Manually set up a group function that connects one BM-1 as the central role and up to four BM-1s as peripheral roles. After the group setting is complete, all BM-1s in the group are automatically connected each time the BM-1 is started.

1. Turn on only one BM-1 and change the BLE role to "Force Peripheral".

NOTE:

It is easier to understand if the device names are changed to separate names for each device.

If the BM-1 is set as the central role of a group, click "Remove Group Settings" to remove the group settings.

2. Disconnect the first BM-1 from the iPhone/iPad , and turn on the second BM-1.

Repeat operation 1 and set all BM-1s you want to join the group to the peripheral role.

3. Turn on all BM-1s. All BM-1s will appear in the device list.
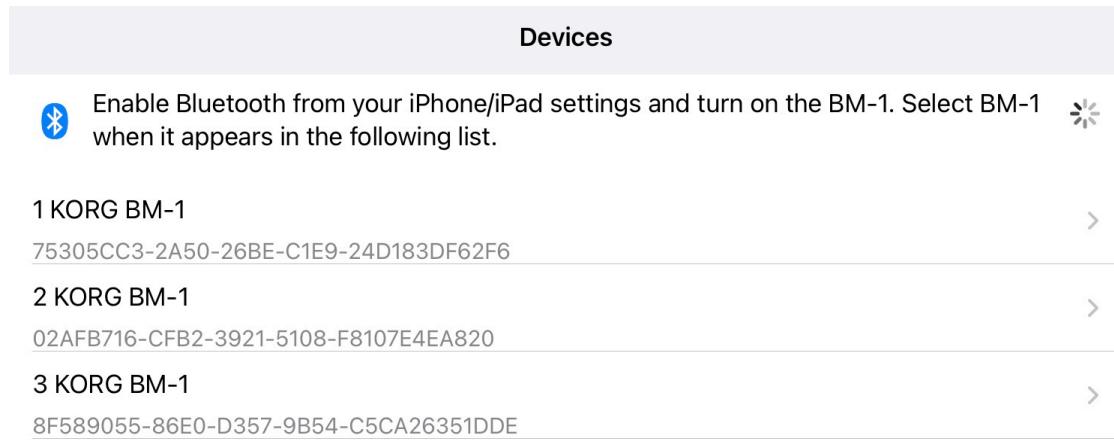
Devices
✳ Enable Bluetooth from your iPhone/iPad settings and turn on the BM-1. Select BM-1 when it appears in the following list.
1 KORG BM-1 ⟩   75305CC3-2A50-26BE-C1E9-24D183DF62F6
2 KORG BM-1 ⟩   02AFB716-CFB2-3921-5108-F8107E4EA820
3 KORG BM-1 ⟩   8F589055-86E0-D357-9B54-C5CA26351DDE

4. From the title bar at the bottom of the screen, click on "Groups" to enter the Groups page, click on "Add a new group".
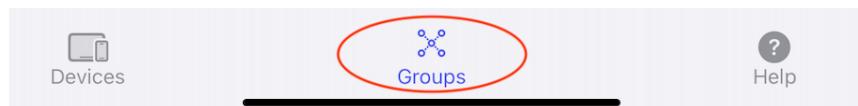
Groups	
＋　Add a new group	
group	＞

5. Click on "Group name" and enter a group name.

6.Drag and drop the BM-1 icon shown in the center to the left "Central" or right "Peripheral" to place it.
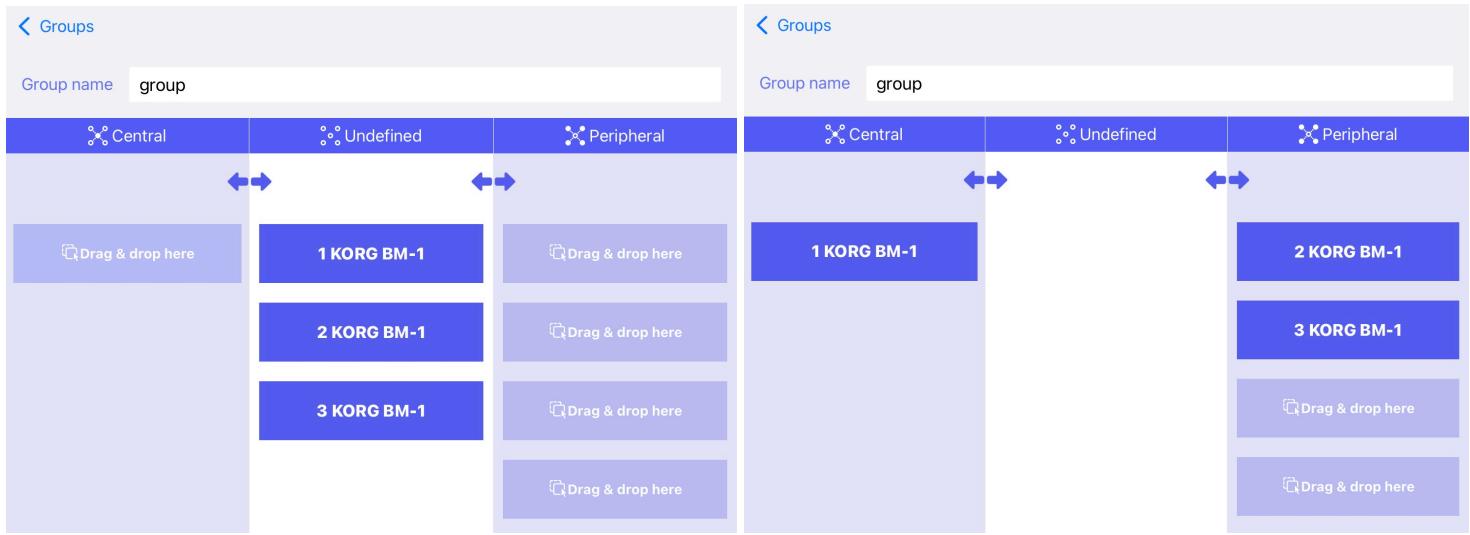
7. Click on "Download group".

Do not remove, insert, or operate the BM-1 until the settings are complete.

8. After completing the group settings, disconnect the BM-1 from the iPhone/iPad.

　→ p12 Please refer to Disconnection.

9. Confirm that the connection is made with the group you have set up.

When the group connection is successful, the LED on BM-1 set to the central role will flash fast turquoise, and that set to the peripheral role will flash fast blue.

If the LED status is different, the group connection has failed and you should start again from setting 1.

The group page displays the names of already created groups. You can edit the settings by clicking on the group name. You can delete a group by sliding the group name to the left.

Help

Tap "Help" from the title bar at the bottom of the screen.
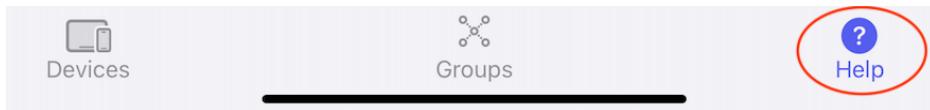
You can see the BM-1 manuals and FAQ page.

If you have problems such as not being able to turn on the power or make Bluetooth connections, please refer to the BM-1 owner's manual and the latest FAQs.

Disconnection

If you want to connect your BM-1 to a different device after setting up with BM-1App, you must disconnect the device from your iPhone/iPad first.

The connection will not be completely severed if you disconnect from the Bluetooth MIDI settings of your application. In the Bluetooth settings of the Settings app, tap "Forget this Device" for the Bluetooth MIDI device in question.

NOTE: You can also disconnect the devices by switching Bluetooth OFF in the Settings app on your iPhone/iPad.

To reconnect the iPhone/iPad, switch Bluetooth ON again.