

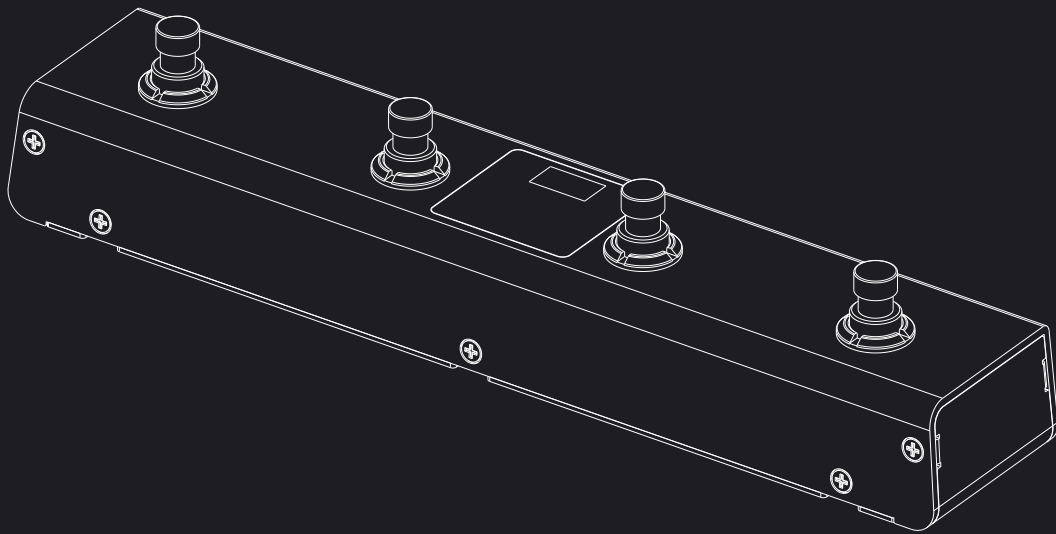


AMPERO CONTROL

Bluetooth MIDI Controller

APP USER MANUAL

For Firmware V1.10
For Software V1.0.0

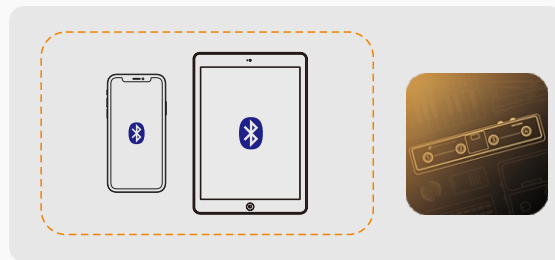


HOTONE
DESIGN INSPIRATION

The contents of this manual are subject to change without notice.

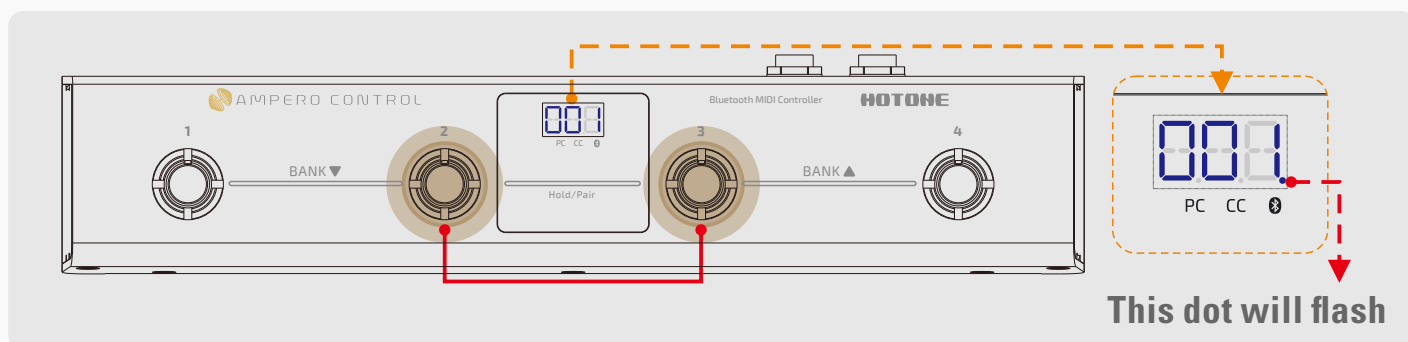
CONNECT

1. Turn on the Bluetooth switch on your mobile device, then turn on your Ampero Control and launch the app.

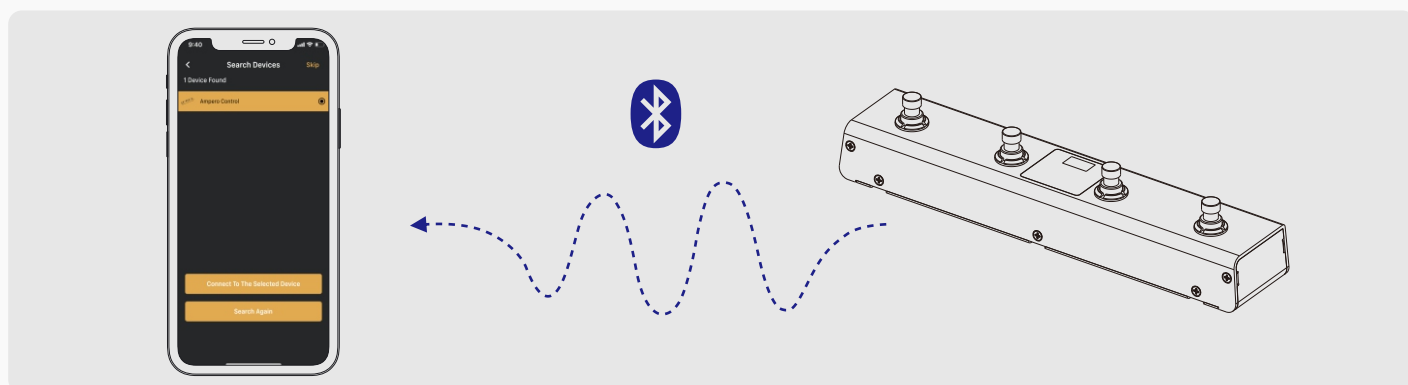


2. Login your account (optional).

3. Press and hold Footswitch 2+3 on your Ampero Control to enable Bluetooth Pair Mode. The Bluetooth indicator (on the bottom right corner of the screen on your unit) will flash to indicate pairing status on.



4. When your Ampero Control appears listed on the startup page (the app will automatically scan all nearby devices), select and tap the "Connect To The Selected Device" button on the screen. The Bluetooth indicator will stay solid to indicate a successful connection.



Notes:

1. You can enter offline mode if no device is found.
2. Ampero Control can only be edited by one device at a time. To use other devices, tap "Settings" icon on the lower right corner of the screen, find "Connection Status" and enter, then tap "Disconnect". Connect another device when finished.
3. The default device name is Ampero Control. You can customize your device name if needed.
4. If search failed (no device found or timeout), you can retry searching by manually tap "Search Again" button, or restart Bluetooth on your mobile device.
5. When using Bluetooth connection for editing or MIDI control, please keep your Ampero Control close to your phones/pads/computers for best possible experience.
The recommended range is less than 5m.

DEFINITION

BANK

A bank of Ampero Control contains the user data listed below:

- Bank name and description: Max. 16 characters (including space)
- The footswitch modes of 4 built-in footswitches
- MIDI messages (no. of messages, channels, types, values, etc.) assigned on each footswitch
- CTRL 1/2 controller assign and related settings

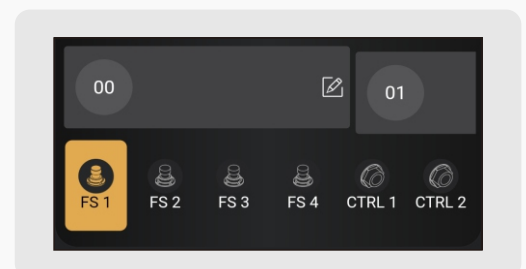
Ampero Control features 100 banks (00-99).

TO SETUP A FOOTSWITCH

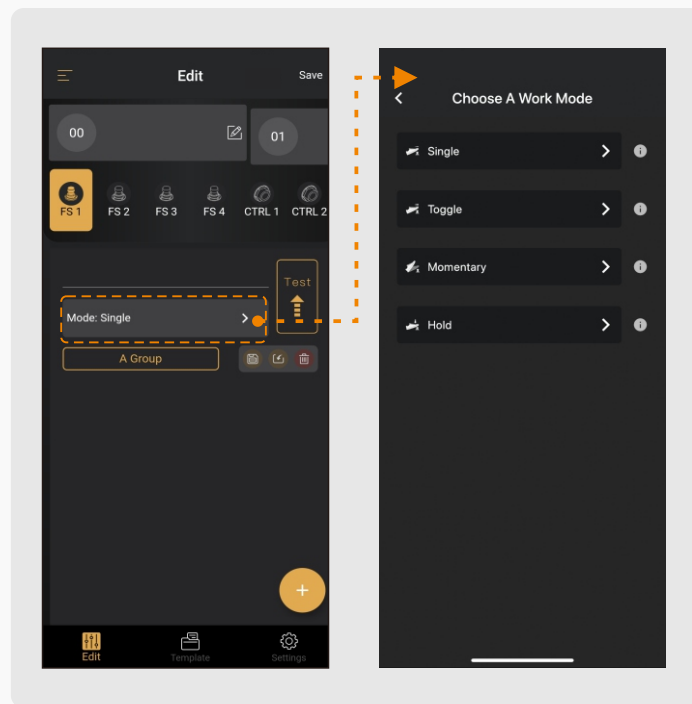
Follow the instructions :

1. Select a bank and select one footswitch. The image on the right indicates Bank 0 and footswitch 1 is selected.


2. Select a footswitch mode by tapping mode button:

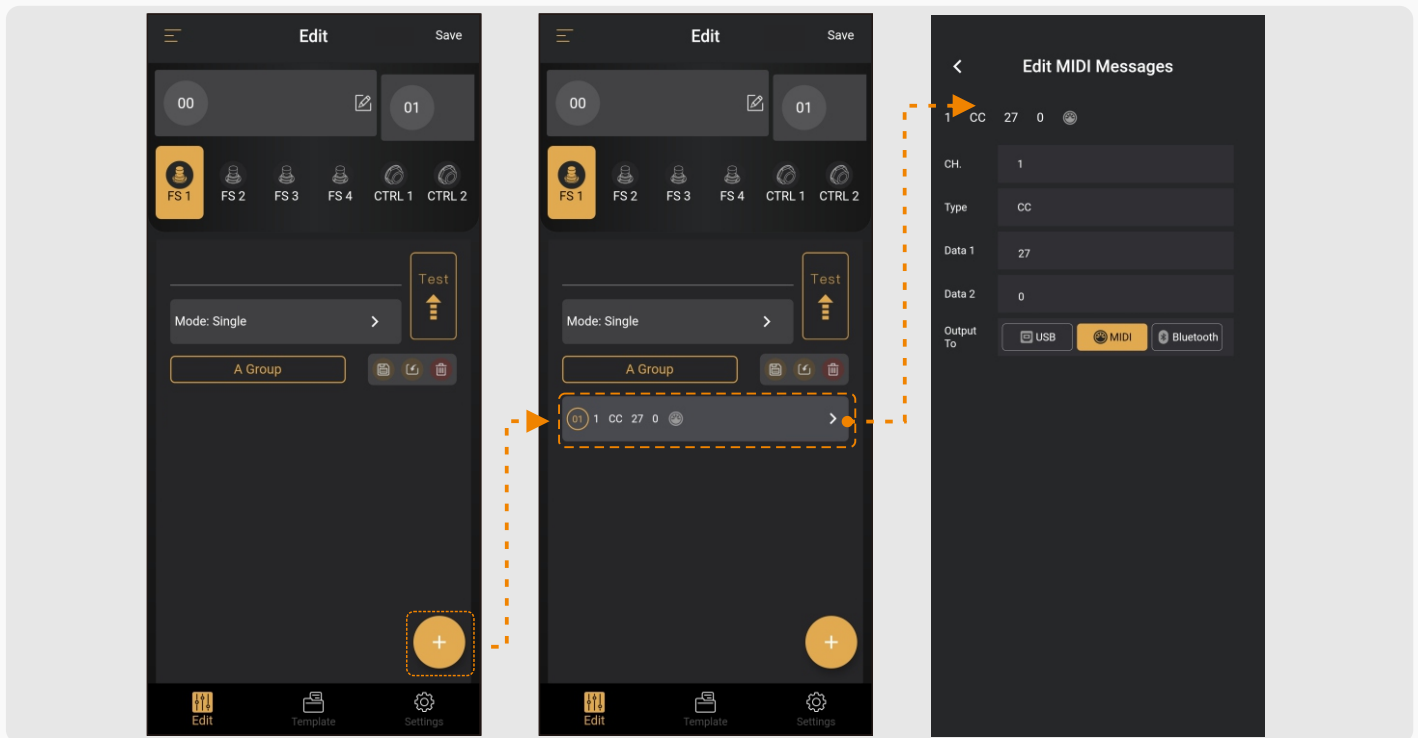


Ampero Control offers four footswitch modes:



- Single: Send same MIDI message (s) when you press the footswitch. MIDI message (s) will be sent when the footswitch is released.
- Toggle: You can set two different (A/B) groups of MIDI message (s). Press the footswitch repeatedly to send MIDI messages toggling between A/B message groups. MIDI message (s) will be sent when the footswitch is released.
- Momentary: You can set two different (A/B) groups of MIDI message (s). Press the footswitch to send MIDI message (s) in group A, release the footswitch to send MIDI message (s) in group B.
- Hold: Hold the footswitch to send one MIDI message or a group of messages repeatedly at regular intervals. You can send the first MIDI message once in the group by single press the footswitch. If so, the MIDI message will be sent when the footswitch is released.

3. Add up to 16 MIDI messages depending on your needs by tapping the  button on the bottom right of the screen.
4. Tap on a MIDI message button to edit message details:



CH. : For setting MIDI output channel from 1-16; you can set it to Omni to send the message via all 16 channels.

Type: For selecting a MIDI message type. Currently Ampero Control supports 4 MIDI message types: Program Change (PC), Control Change (CC), Note On and Note Off.

Data 1/2: For filling MIDI data depending on MIDI message types:


- Type=PC: Data 1 stands for program number; no Data 2 option available


- Type=CC: Data 1 stands for controller number, Data 2 stands for controller value

- Type=Note On/Off: Data 1 stands for note number, Data 2 stands for note velocity

Output To lets you decide how MIDI message will be sent.

You can send it via either Bluetooth, USB jack, MIDI OUT jack or any combinations.

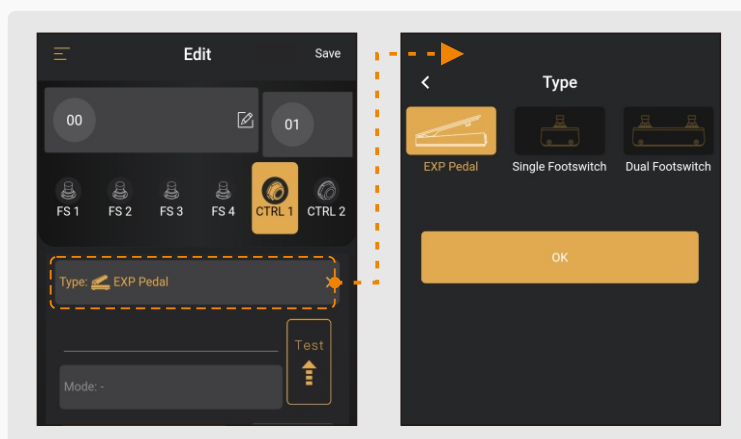
5. After editing all footswitches you needed, don't forget to save your changes by tapping "Save" button on the top right corner of the screen. You can tap  to edit bank info if needed.

Note: To test your MIDI settings, you can tap  button to send the MIDI message (s) immediately.

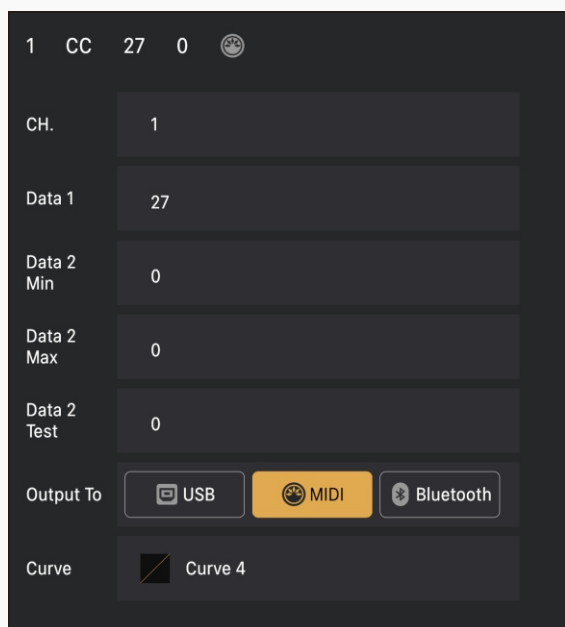
TO SETUP EXTERNAL CONTROLLERS

Follow the instructions below:

1. Select a bank and select CTRL 1/2 (see above).
2. Select external controller type by tapping type button, as shown on the right.



3. Set MIDI messages for your external footswitch controller depending on your needs (see above).




For expression pedals:

Expression pedal supports assigning CC messages only. You can assign max. 4 CC messages to one expression pedal.

Data 2 Min represents the lowest CC data 2 value (when the pedal is pushed all the way up), Max represents the highest CC data 2 value (when the pedal is pushed all the way down).

For most situations, set Data 2 Min=0, Data 2 Max=127.

The value you filled in Data 2 Test is for testing your settings, which will be sent when you tap  button.

The MIN and MAX range is 0-127, and the MIN value can be greater than the MAX value.

Curve is for selecting 7 different curves when the expression pedal is pushed from all the way up to all the way down.

Default is Curve 4 (linear).

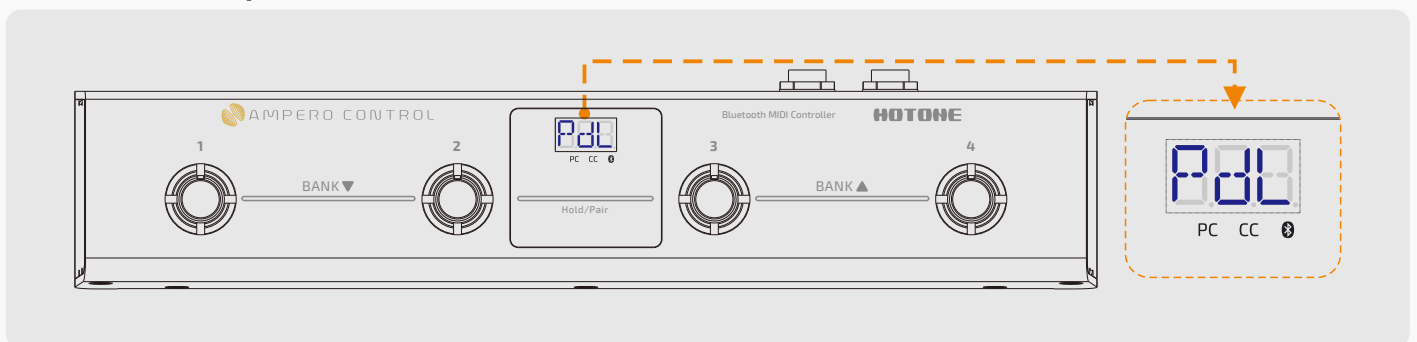
Note: Don't forget to save after editing.

TO CALIBRATE YOUR EXPRESSION PEDAL CONTROLLERS

The calibrate function helps you calibrate your expression pedal. It is important to calibrate the expression pedal if you find your pedal not working or the sweep has very little/too much change while sending MIDI messages.

Follow the instructions below:

1. Connect your expression pedal (s) to Ampero Control's EXP/CTRL jack (s).
2. Hold footswitch 4 while powering up your Ampero Control. The screen will display "PdL" to indicate that your unit has entered Expression Pedal Calibration Mode:




3. Fully raise and press down the pedal you need to calibrate at least 3 times. Your unit will automatically process and match your pedal.
4. With the above operation finished, press footswitch 4 again to exit Expression Pedal Calibration Mode.

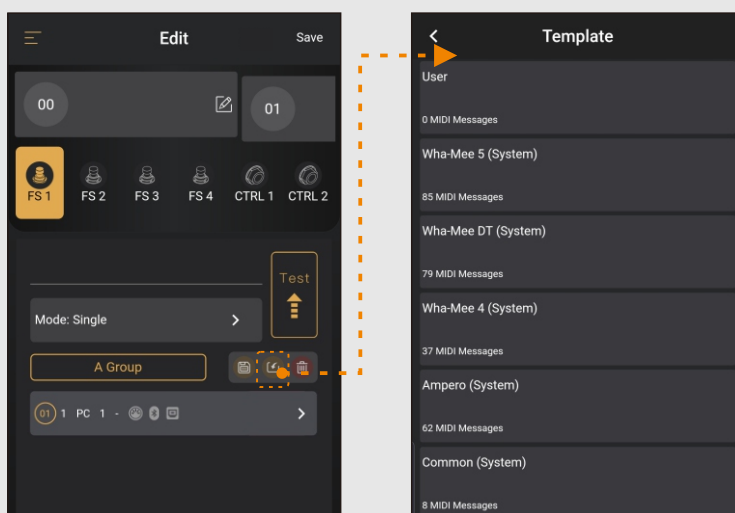
USE MIDI TEMPLATES

A MIDI template is a group of pre-edited MIDI message (s) that is suitable for many popular musical gear. You can simply load them or create your own MIDI templates.

To Load A Template

Follow the instructions below:

1. Select a bank and select a footswitch/external controller (see above).
2. Tap  button to open Template menu:



3. Choose a group and then choose a MIDI template to import. You may modify them depending on your needs.

Note: All default MIDI channels of system MIDI templates are set to 1, since the MIDI receive channel of most devices are set to 1 or Omni. If your device cannot recognize the messages you imported, try to change the MIDI message output channel or the device's MIDI receive channel depending on your needs.

To Save A Template

Follow the instructions below:

1. Edit MIDI messages depending on your needs (see above).

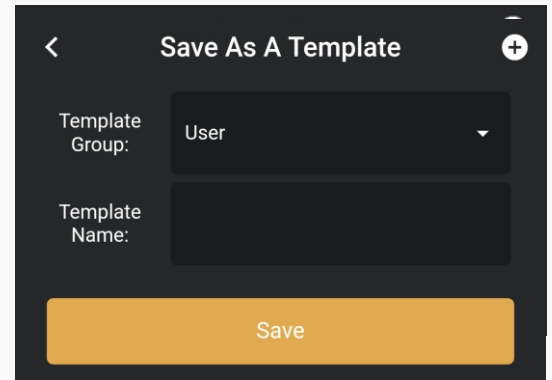
2. Tap  button to save a template.

A menu will appear as shown on the right.

3. Choose a template group, enter your template name and tap Save button.

Note: You can tap the  button to create a template group.

You can also create/manage/delete templates in Template menu.




TEMPLATE MENU

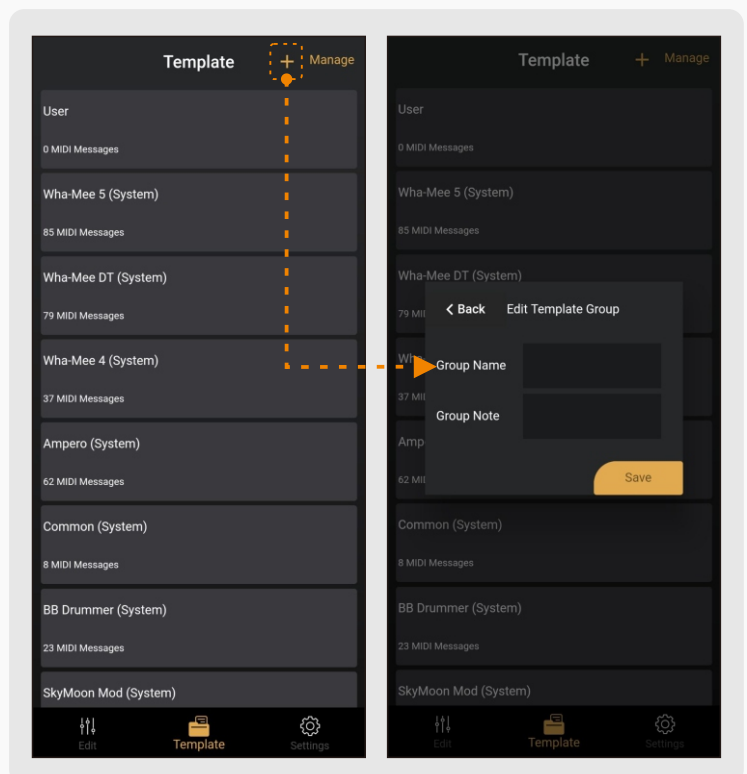
To Create Template Groups

Follow the instructions below:

1. Tap Template tab on the bottom center of the screen to enter Template menu.

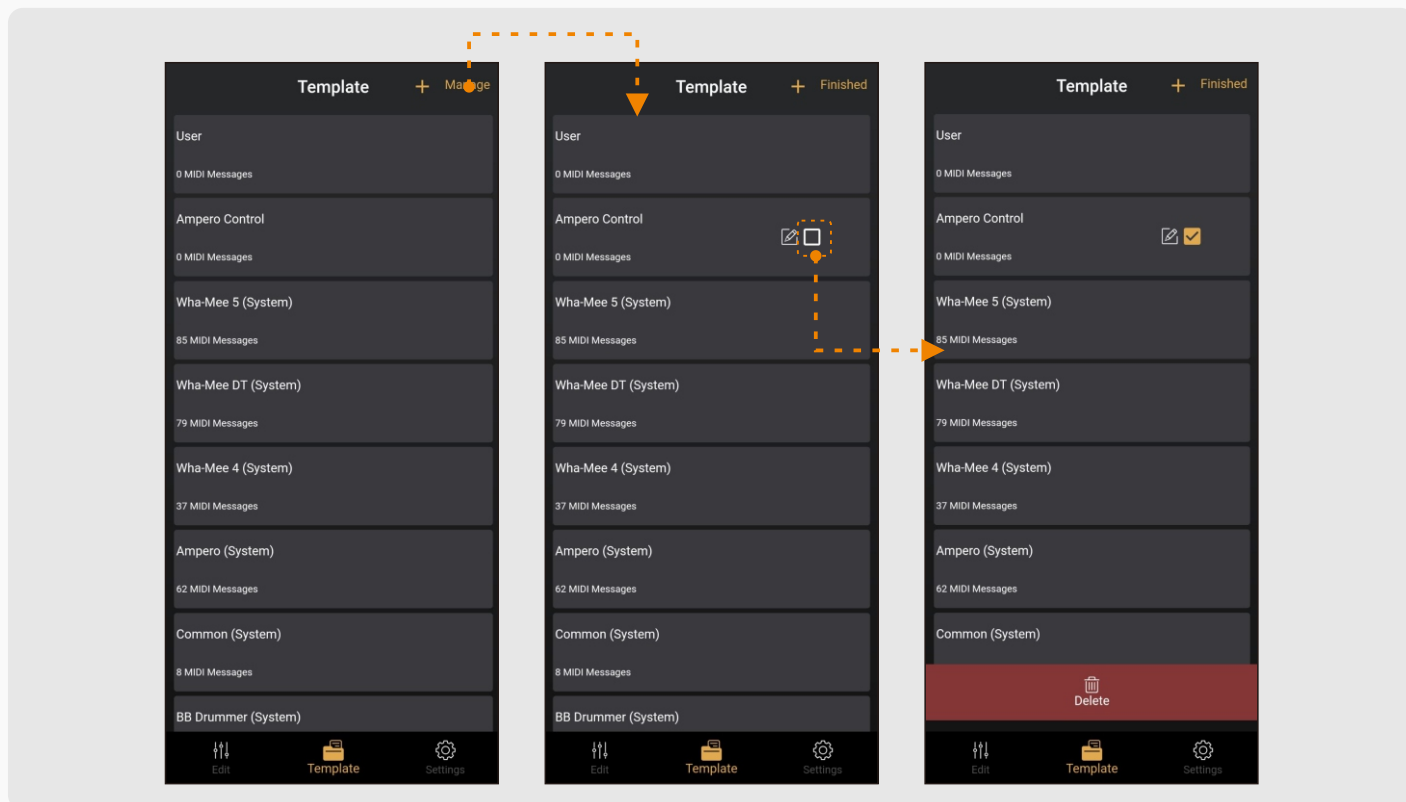
2. Tap  to create new template groups. A window will appear as shown on the right.




3. Then enter the notes you need and then save to create a template group.



To Manage Template Groups

Follow the instructions below:



1. Tap **Manage** to manage current template groups.
 2. Tap  to edit group info (see above).
 3. Tap  to select the template groups you want to delete.
- When finished, tap the Delete button  on the bottom of the screen.

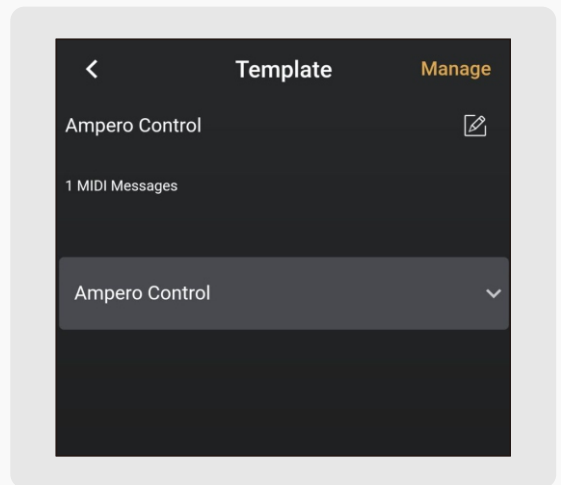
Notes:

1. System group cannot be deleted.
2. If you delete a template group, all messages in this group will also be deleted.

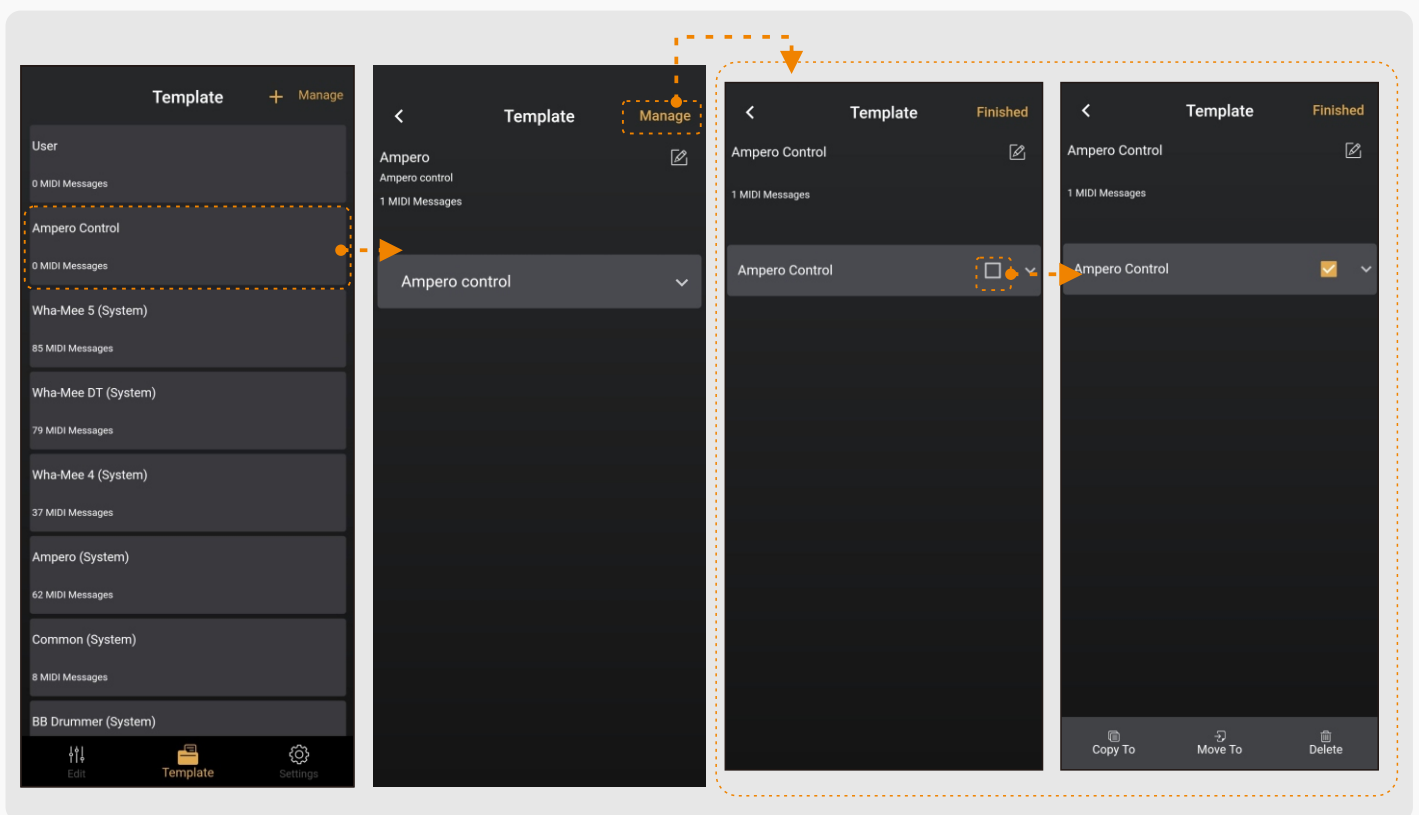
To Manage Templates In A Group

Follow the instructions:

1. Tap on a group to check the messages in the group, as shown on the right.



In this menu you can tap on a message to see detailed template info:



2. Tap  to edit group info (see above).

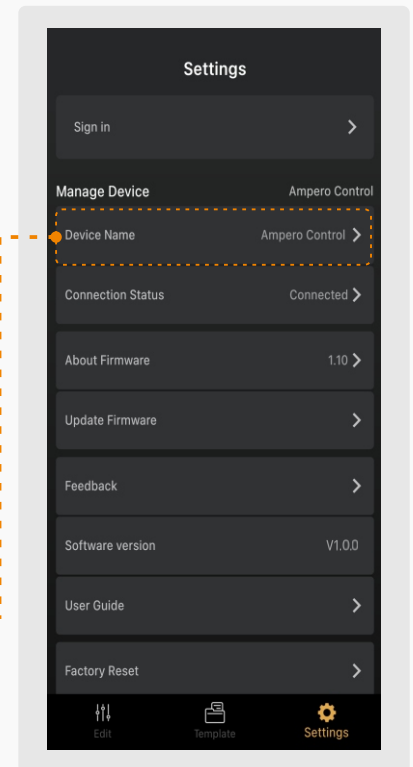
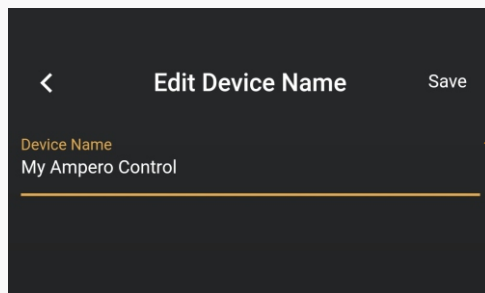
3. Tap **Manage** to select and manage (copy/paste, move, delete, etc.) messages in the current group (see above).

Note: System messages are read only.

RENAME YOUR AMPERO CONTROL

Follow the instructions below:

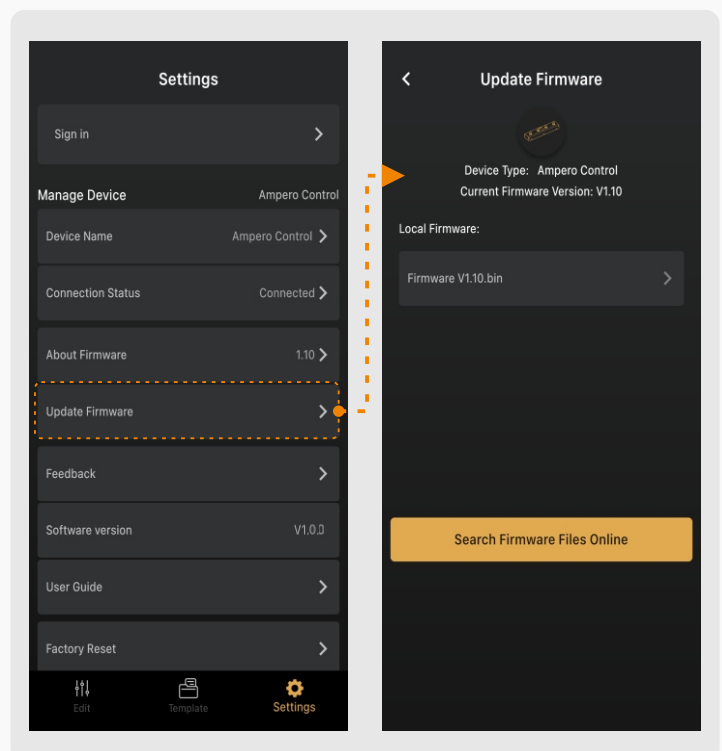
1. Setup and pair your unit with your mobile device.
2. Tap “Settings” tab on the bottom right of your screen to enter Settings menu.
3. Tap “Device Name” button to enter your device name. Default is Ampero Control.



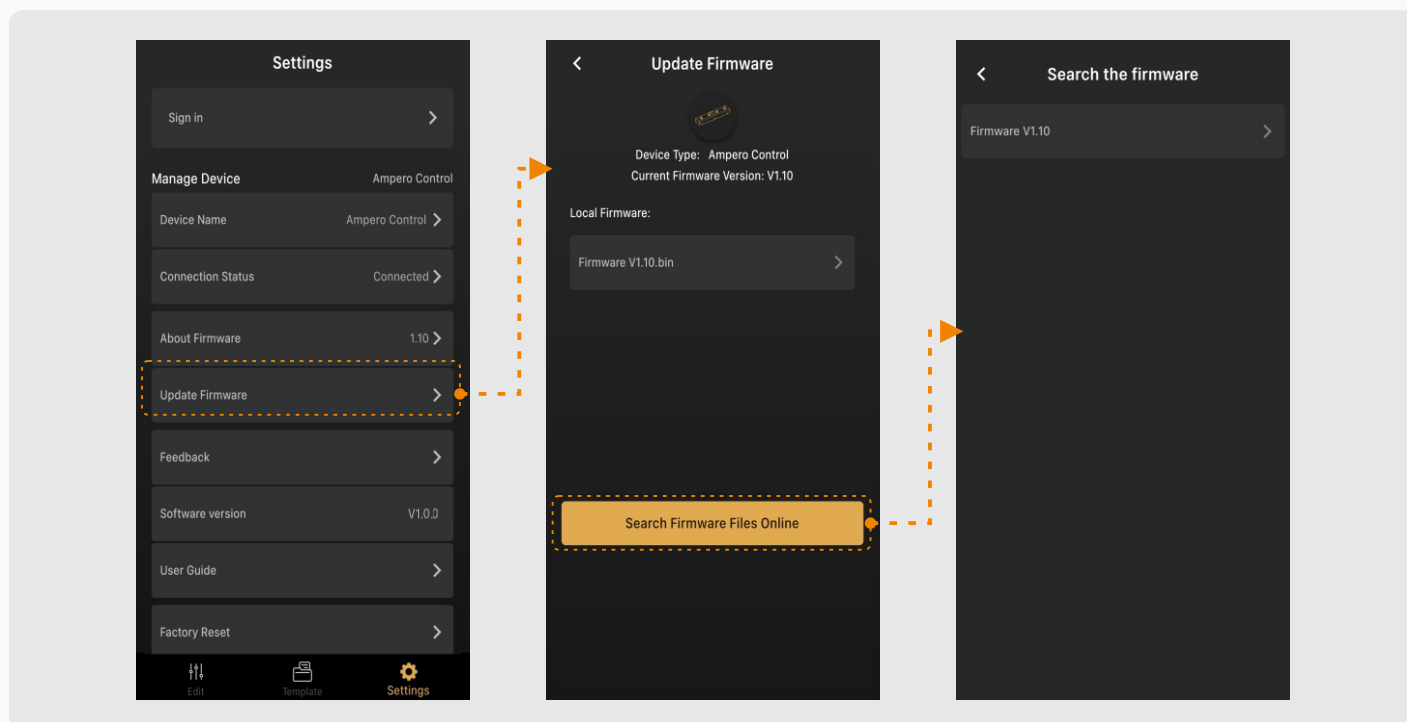
UPDATE THE FIRMWARE

Follow the instructions below:

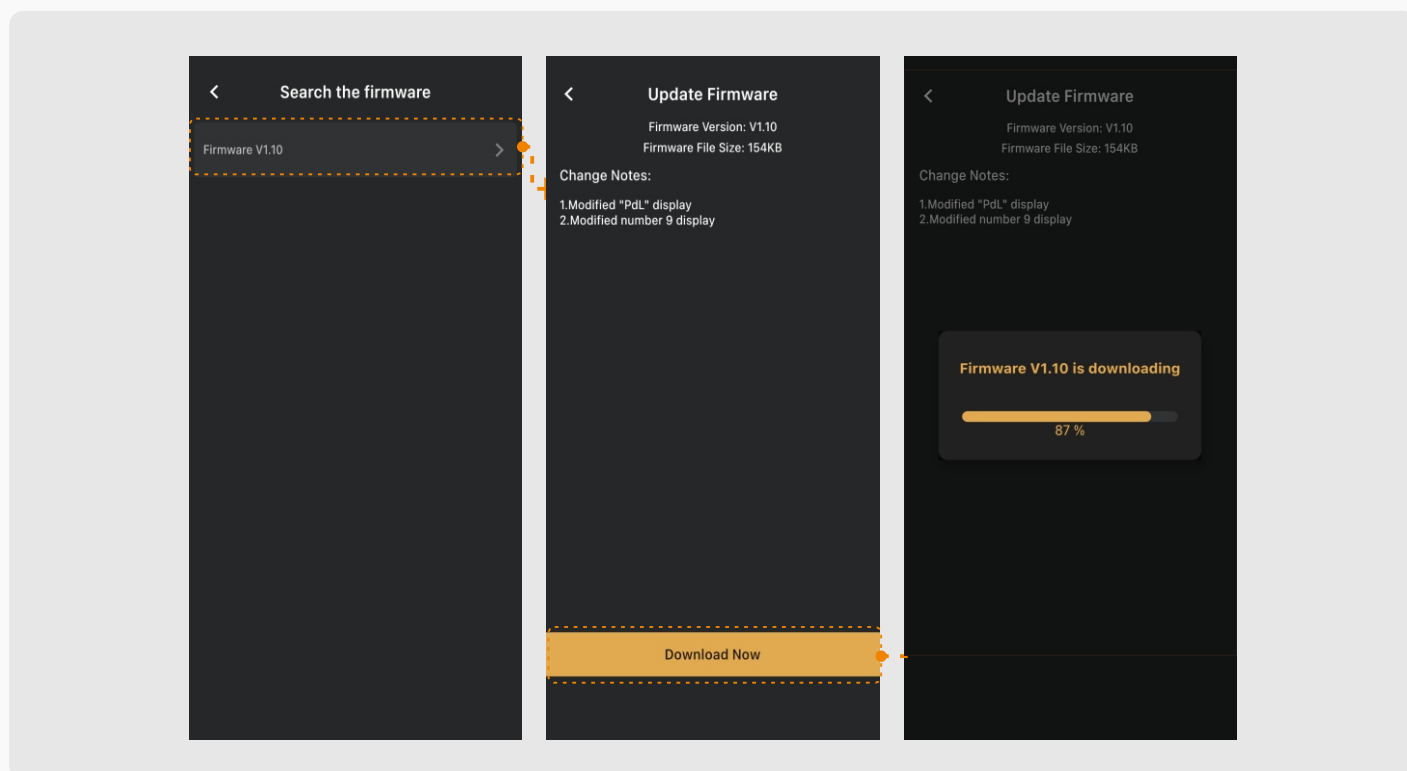
1. Setup and pair your unit with your mobile device.
 2. Tap “Settings” tab on the bottom right of your screen to enter Settings menu.
 3. Tap “Update Firmware” to enter firmware update menu.
- If you have downloaded firmware files before, the files will be listed below Local Firmware, as shown on the right.



4. Tap “Search Firmware Files Online” to check online firmware files. Online firmware files will be shown as below (“Downloaded” means you’ve already downloaded the firmware file to your phone):



5. Tap on a firmware file to see detailed firmware info. Click “Download Now” to download the firmware file:



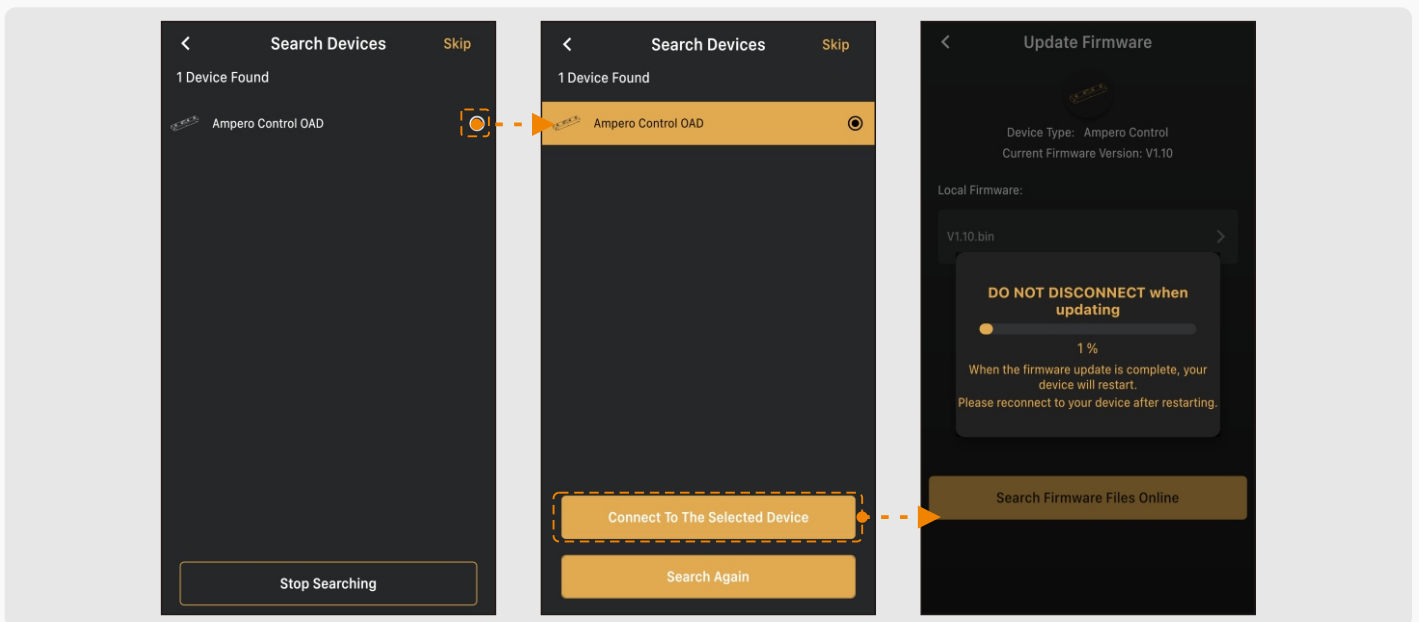
A progress bar will indicate downloading status.

6. Tap “Update Now” button to update firmware.

You need to confirm twice. In this case, your Ampero Control will enter OAD mode for firmware update, and your Ampero Control will be disconnected.

The app will automatically start to search the nearby devices, then you’ll find a device named “Ampero Control OAD” as shown below (this indicates your device is in OAD mode). Select and connect to this device.

Firmware update will automatically start after connection. This may take several seconds.



When the firmware update is finished, you need to manually hold footswitch 2+3 on your Ampero Control to reconnect.

Notes

1. The update may take several seconds. You may need to restart and reconnect your device.
2. Please DO NOT turn off the Bluetooth switch, or unplug the power jack while the update is in progress. Update fail may cause device malfunction.
3. While the update is in progress, please keep your Ampero Control and your smart device within 1m of each other to avoid signal interference.

FACTORY RESET

Follow the instructions below:

1. Setup and pair your unit with your mobile device.
2. Tap “Settings” tab on the bottom right of your screen to enter Settings menu.
3. Tap “Factory Reset” to execute factory reset. This will take several seconds.

WARNING: This will clear all your user data.