

# WIDI MASTER

## QUICKSTART GUIDE



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# Overview

WIDI Master by CME is a virtual MIDI cable that allows Bluetooth devices to be connected to your MIDI instrument. Using WIDI Master with Wave allows you to connect Wave straight to your hardware device (synthesizer, guitar effect, etc. as long as it supports MIDI) without the need for a computer.

You need to configure Wave to work with your instrument using Wave's companion software, Softwave. Note that you need to download the newest version of Softwave for it to work.



Wave can only be connected to one host at a time, either your computer or WIDI Master.

## Connect Wave to Softwave

Although Wave can work with your MIDI instrument straight out of the box, it's recommended that you configure Wave using Softwave to customize it based on your preferences.

- 1 Download the newest version of Softwave for mac / windows
- 2 Open Softwave.
- 3 Turn Wave on by pressing the MIDDLE button on Wave.
- 4 Connect Wave to Softwave by clicking "Connect Wave" in the top left corner.

## Connect WIDI Master to your instrument

Now connect WIDI Master to your instrument of choice. Make sure Wave is connected to Softwave because otherwise it will connect straight to WIDI Master when you plug it in.

The WIDI Master consists of two units.

- 1 Connect the larger unit to the MIDI OUT port of your instrument
- 2 Connect the smaller unit to MIDI IN.
- 3 Turn your instrument on

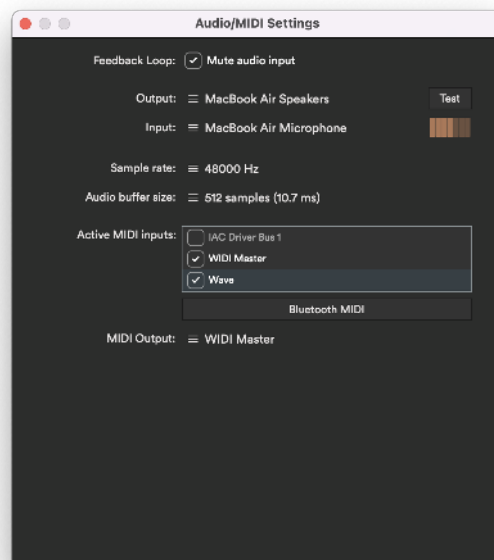
# Connect WIDI Master to Softwave

Softwave supports routing Wave's MIDI input to a specified MIDI output. This can come in handy when setting up presets for hardware synths or effects.

## MacOS

You need to connect Wave to Softwave before giving power to WIDI Master (it turns on as soon as it's given power), otherwise Wave and WIDI Master will connect to each other and won't show up in Softwave.

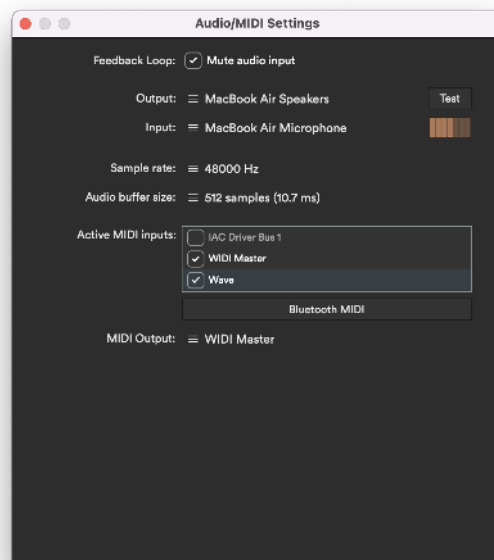
- 1 Turn on your Wave ring and press "A Connect Wave" in the top left corner of Softwave.
- 2 Turn on the instrument WIDI Master is connected to or connect WIDI Master into the MIDI port of your instrument.
- 3 In Softwave go to Menu → Connect Bluetooth Device.
- 4 Select WIDI Master.
- 5 In Softwave's Audio/MIDI Settings window, select Wave and WIDI Master as Active MIDI Input.
- 6 Also select WIDI Master as an output.
- 7 Exit the window. Your changes save automatically.



# Windows

You need to connect Wave to Softwave before giving power to WIDI Master (it turns on as soon as it's given power), otherwise Wave and WIDI Master will connect to each other and won't show up in Softwave.

- 1 Turn on your Wave ring and press "A Connect Wave" in the top left corner of Softwave.
- 2 Turn on the instrument WIDI Master is connected to or connect WIDI Master into the MIDI port of your instrument.
- 3 Go to Windows' System Settings → Bluetooth & other devices.
- 4 Press "+Add Bluetooth or other device".
- 5 Select WIDI Master and then press Connect.
- 6 Make sure WIDI Master is paired to your computer and close the window.
- 7 In Softwave's Audio/MIDI Settings window, select Wave and WIDI Master as Active MIDI Input.
- 8 Also select WIDI Master as an output.
- 9 Exit the window. Your changes save automatically.



# Enter the Standalone mode editor



With Wave connected to Softwave, enter the Standalone mode editor.

 To enter the Standalone Mode editor, press this icon.

- 1** Everything you do in the Standalone mode editor gets saved straight onto Wave. This is what Wave remembers when you disconnect it from Softwave.
- 2** The Standalone mode editor supports up to 24 presets.

## MIDI Learn parameters from your instrument

The Standalone mode editor supports MIDI Learn, which allows you to turn physical knobs on your instrument and map them straight to Wave.



- 1** Make sure you're in the Standalone Mode. 
- 2** Add a function (Tilt, Pan, Roll, Vibrato, Tap or Click) in Softwave you want to use with your instrument.
- 3** Navigate to the 'MIDI' icon in the bottom right corner of the function. 
- 4** Select 'Learn'.
- 5** Move a knob on your instrument. The parameter should register.
- 6** Repeat for other functions.

When you make changes in the Standalone mode editor, the changes are saved immediately to Wave. The preset configuration is exactly the same as in the main view, the only difference being that the main view presets do not get saved to Wave.

# MIDI Learn Program Change

You can MIDI Learn a Program Change to each preset on Wave, which allows you to change programs on your instrument when you switch between presets.

So basically preset 1 can have one sound going on but if you navigate to preset 2 by pressing the DOWN button on Wave, the instrument will change sounds.

- 1 Make sure you're in the Standalone mode editor. 
- 2 In the top right corner of Softwave select the 'MIDI' icon. 
- 3 Select 'Learn'.
- 4 Change to the program you want to learn on your instrument. The program change should register.
- 5 Try switching between presets on Wave by using the UP and DOWN button to see how it works.
- 6 Repeat for other presets.



# Connect Wave to WIDI Master

If you're happy with the configuration you've made in Softwave, now is the time to disconnect from Softwave by turning Wave off (hold UP and DOWN button) and connect Wave straight to your instrument.

Make sure you disconnect Wave and WIDI Master from your computer. Wave can only be connected to one host at a time, either your computer or WIDI Master.

- 1 Disconnect WIDI Master from your computer; in Softwave navigate to Menu → Connect Bluetooth MIDI Devices. Press the "x" behind WIDI Master.

**Note** that if you do not disconnect WIDI Master accordingly from Softwave (for example if you only cut off the power to WIDI Master) your computer will remember the connection and auto-connect to WIDI Master next time you turn it on.

- 2 To disconnect Wave from your computer close Softwave.

**Note** that next time you open Softwave it will remember Wave.

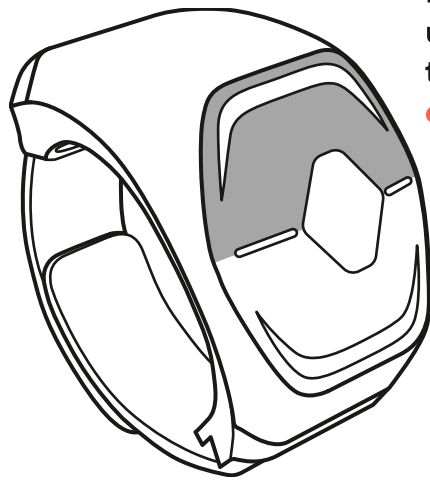
- 3 Connect WIDI Master into an instrument. The large unit into MIDI Out and the small one to MIDI In.

- 4 Make sure Wave is on and then turn your instrument on to give WIDI Master power. After you turn WIDI Master on it will search for a bluetooth device for a few seconds, after that it will try to connect to another source such as your computer. That's why it's recommended to turn Wave on before you turn on WIDI Master.

- 5 Wave should connect automatically to WIDI Master.

- 6 If nothing happens press the MIDDLE button on Wave. The MIDDLE button activates and deactivates Wave - which is a feature that allows you to move your hand around without affecting parameters.

# Edit Mode



Long press  
upper button  
to **enter/exit**  
**edit mode**

Enter 'Edit mode' by doing a long press on the UP button. Exit 'Edit mode' the same way.

'Edit mode' allows you to adjust presets on Wave it self, without going back to the computer.

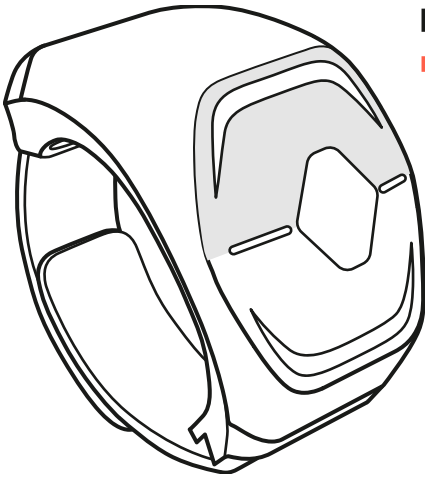
'Edit mode' consists of a main menu, which is an overview of the preset's functions and submenus for each function, where you can adjust them.

'Edit mode' does not allow you to create new presets, it merely allows you to edit the presets you've already created using Softwave's Standalone mode editor.

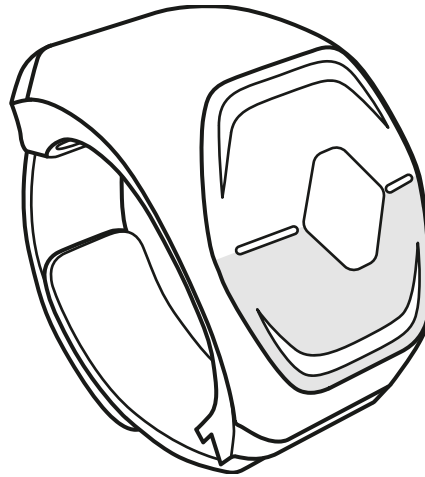
You can MIDI Learn CC and Program Change values, manually change CC and note values, adjust movement range, sensitivity, output range and more.

# Navigation

Move between screens by clicking the UP and DOWN button.



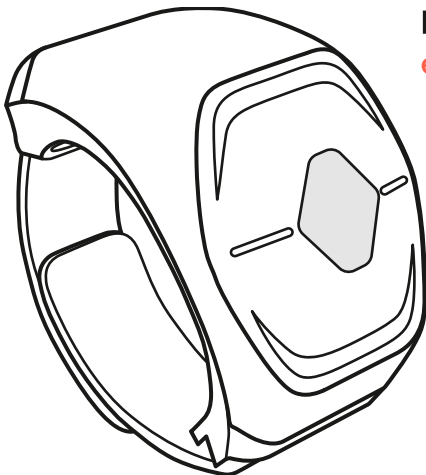
Click upper button for **next screen**



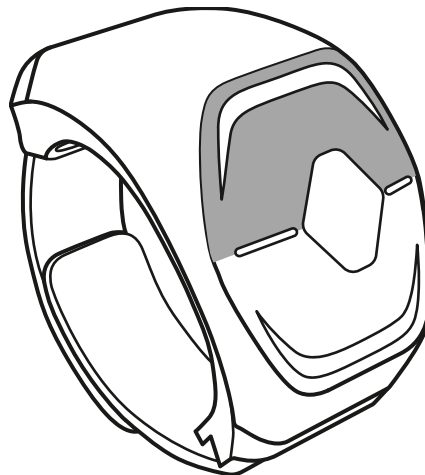
Click lower button for **previous screen**

# Enter/Exit Submenus

Enter a function's submenu by clicking the MIDDLE button. Exit a function's submenu by doing a long press on the UP button.



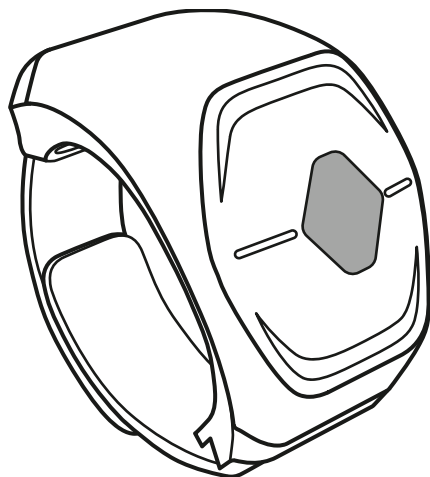
Click middle button to **enter submenu**



Long press upper button to **exit submenu**

## Shortcut to MIDI Learn

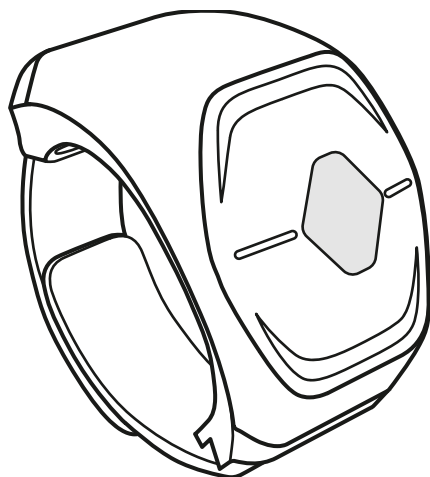
Shortcut to MIDI LEARN by doing a long press on the MIDDLE button in the main menu view.



Long press  
middle button  
for **shortcut**  
to midi learn

## Adjusting functions

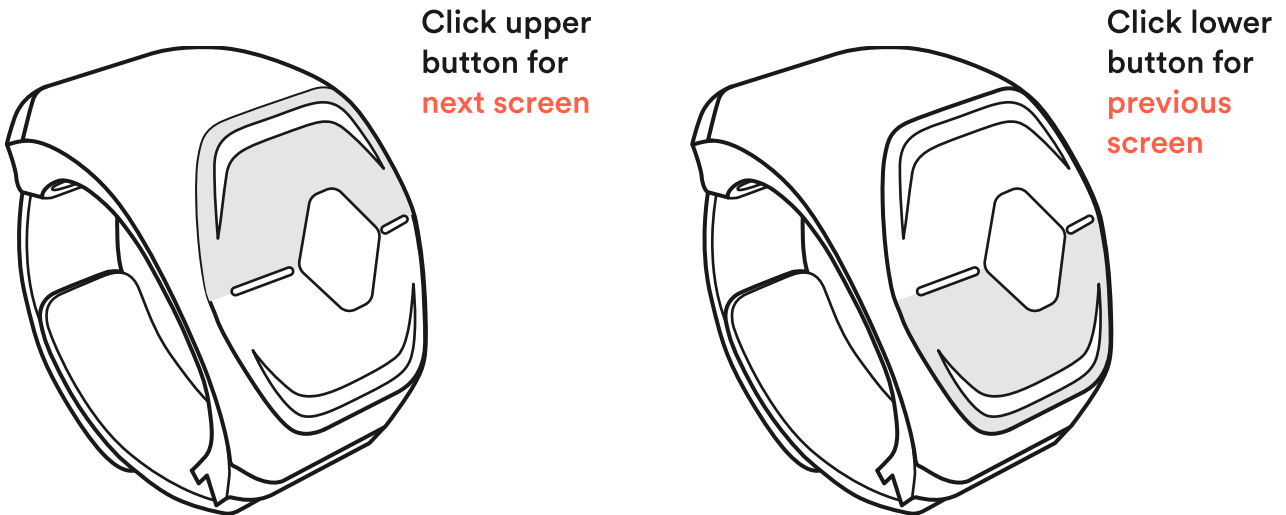
Adjust anything by clicking the MIDDLE button. Click again when finished.



Click middle  
button to **adjust**

# Main Menu

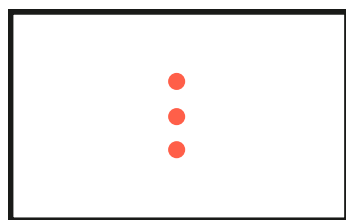
Move between screens by clicking the UP and DOWN button.



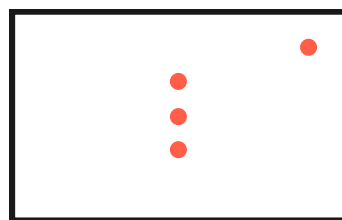
## Overview of Preset's Functions

Each preset holds up to 8 functions, and each function is represented by an icon.

A LED in the upper right corner indicates that the function has a dedicated CC number mapped to it. Click MIDDLE button to access submenu.



Tilt function



Tilt function with dedicated CC number

## RE/AB - Relative, Absolute

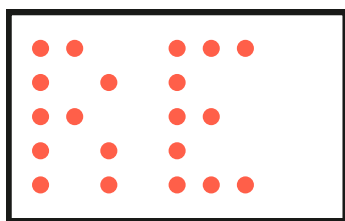
You can decide if a preset uses Relative (RE) or Absolute (AB) movements. The default state for Wave is Relative.

Relative mode behaves in a way that when you deactivate Wave, no matter how you move your hand in between, when you reactivate it Wave will start tracking from the last position before deactivating.

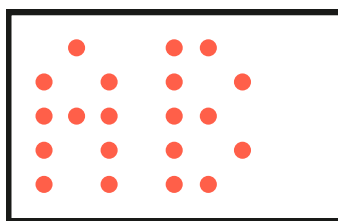
The Absolute mode does the opposite. It keeps tracking your movements even if you've deactivated Wave, and "jumps" to the current value when you reactivate it.

Absolute is stuck in space, Relative moves with you.

Click MIDDLE button to change.



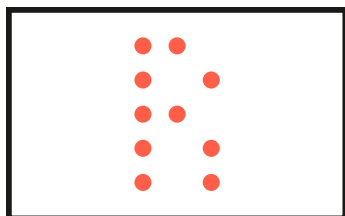
Relative mode



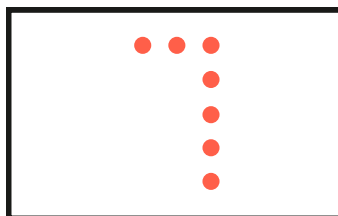
Absolute mode

## R/L - Right, Left

Use this feature dependant on if you wear Wave on your left or right index finger. Click MIDDLE button to change.



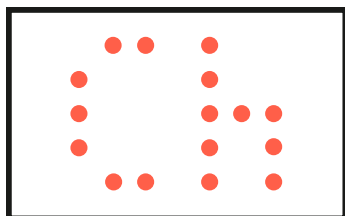
Right



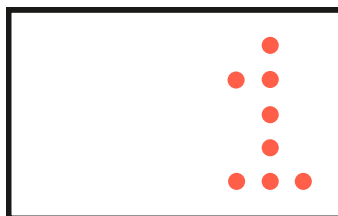
Left - L upside down  
(intended for your left hand)

## Ch - Channel

Use this feature to change the preset's MIDI Channel. Click MIDDLE button to change. Use UP and DOWN buttons to find your channel of choice. Click MIDDLE button again when finished.



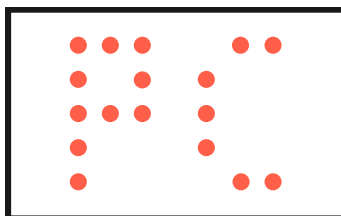
Ch or Channel shows up momentarily



Channel number

## PC - Program Change

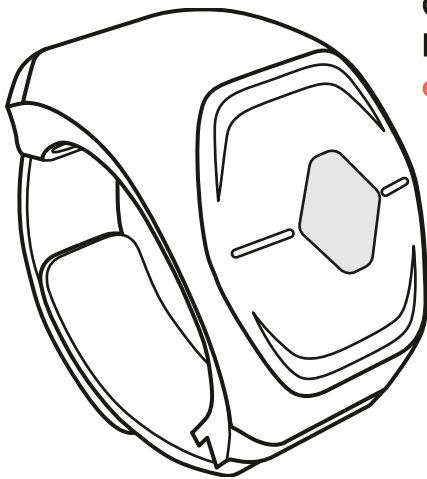
Use this feature to MIDI Learn a Program Change onto the preset. This way, every time you navigate to this particular preset it will send out a program change to your hardware device. Click MIDDLE button to activate MIDI Learn. Select the program change on your hardware device. It should register automatically.



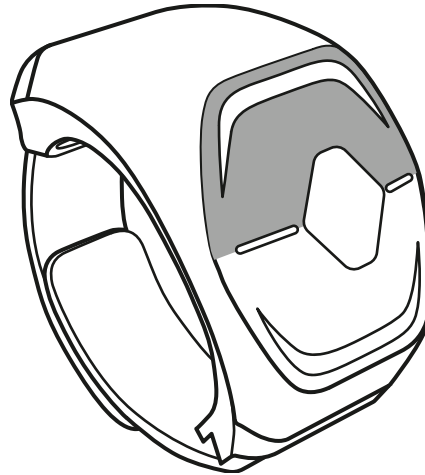
PC or Program Change

# Submenus

Enter a function's submenu by clicking the MIDDLE button. Exit a function's submenu by doing a long press on the UP button.



Click middle button to enter submenu



Long press upper button to exit submenu

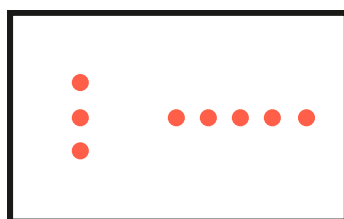
## Movement Range (Tilt, Pan & Roll)

Adjust the movement range of a function by clicking the MIDDLE button and then trace the desired range of it out in the air. Click the MIDDLE button again when finished.

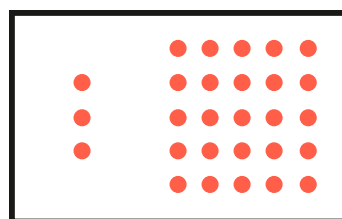
The default range of each movement is from 0 to 90 degrees. The range of a movement controls its sensitivity. If the range is small the movement becomes more sensitive, and if the range is large the movement will be less so.

The position where you start tracing will become the movements starting point when you Reset the movements (long press on MIDDLE button).

You can for example start in the middle, trace upwards and then move past your starting point when you trace downwards. This way the starting point will be in the middle of the movement.



Small range



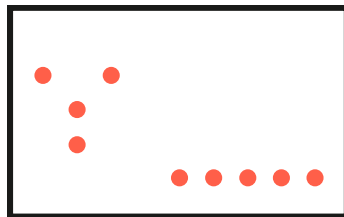
Large range



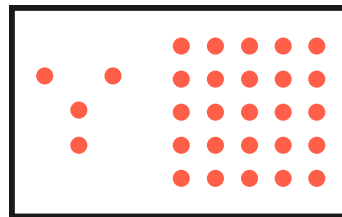
## Movement sensitivity (Vibrato)

You can change the sensitivity of the Vibrato by clicking the MIDDLE button and then adjust the sensitivity by using the UP and DOWN buttons.

The sensitivity block has 5 stages represented by lines. The more lines the block has the more sensitive the Vibrato is. Click the MIDDLE button again when finished.



Low sensitivity

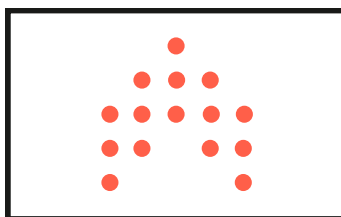


High sensitivity

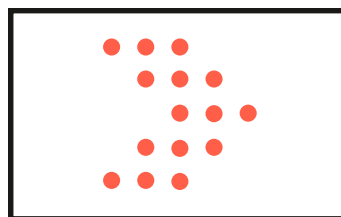
## Movement Direction (Tilt, Pan, Roll & Vibrato)

You can invert the movement direction by clicking the MIDDLE button on Wave. When you do the arrow should flip.

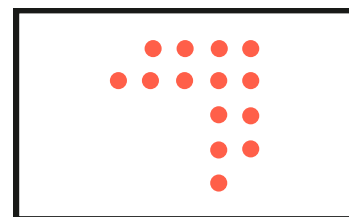
This will make the parameter you are controlling move in the opposite direction of your movement.



Tilt default direction



Pan default direction



Roll default direction

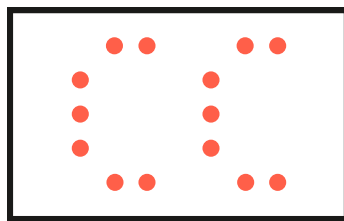
## CC Value

You can adjust the CC value for each function. There are two ways possible to do this.

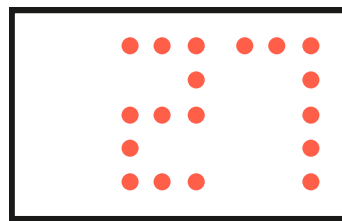
Either click the MIDDLE button and use the UP and DOWN buttons to change the number manually. Click the MIDDLE button again when finished.

Or click the MIDDLE button to activate MIDI Learn. Simply turn a knob on your hardware device and its CC number should register automatically.

\*Pro Tip - You can shortcut your way to MIDI Learn in the main menu by holding the MIDDLE button.



CC shows up momentarily



CC number

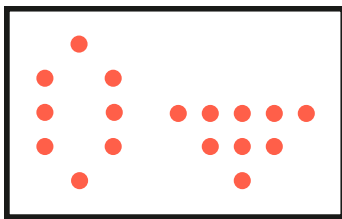
## Output Range (Tilt, Pan, Roll & Vibrato)

You can adjust each function's Output range. The default is 0-127 but you can change this number manually using the UP and DOWN buttons.

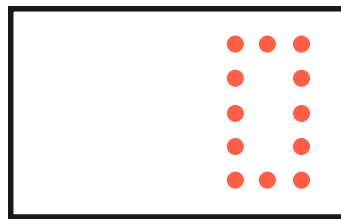
There are two screens for this feature, one for the min Output and another one for the max Output.

Click the MIDDLE button and change the number. Click again when finished.

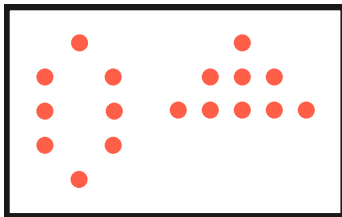
You can also use a parameter on your synth to adjust the number.



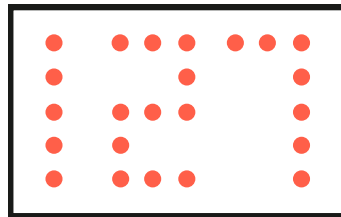
Output min shows up momentarily



Output min number



Output max shows up momentarily

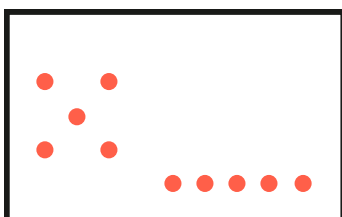


Output max number

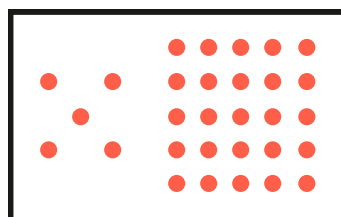
## Trigger Sensitivity (Tap)

You can change the sensitivity of the Tap by clicking the MIDDLE button and then adjust the sensitivity by using the UP and DOWN buttons.

The sensitivity block has 5 stages represented by lines. The more lines the block has the more sensitive the Tap is. Click the MIDDLE button again when finished.



Low sensitivity



High sensitivity