Wave by Genki Instruments

Wavefront Instructions

Chapter 1.
Wave Basics

1a · General Information

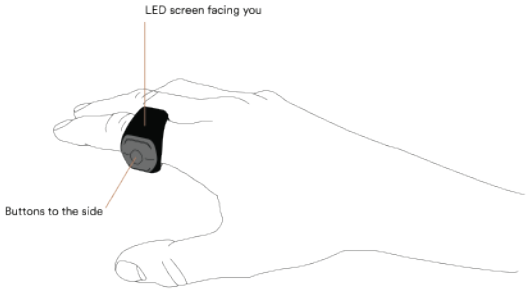
Wave is the ring that lets you control sound with motion.

It has 3 buttons, LED interface for feedback, micro USB charging port and an adjustable strap to fit most finger sizes.

1b · Wearing Wave

Wave is designed to sit on your index finger - which allows you to press the buttons with your thumb.

You can wear Wave on either your right or your left hand due to its mirrored design.



1c · Turning Wave on & off

In order to start using Wave you need to turn it on!

And if you ever want to stop using Wave we recommend that you turn it off!

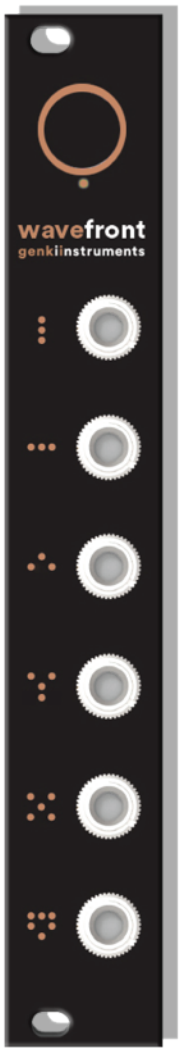
1d · Functions of Wave

Wave has 6 functions you can use individually or mixed together to control your sounds.

Chapter 2.
Wavefront

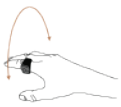
2a · Wavefront Overview

Wavefront is a **4HP Eurorack module** that enables you to integrate the expressive capabilities of Wave directly into your modular system.



TILT
Tilt hand vertically to control CV from -5 to +5 volts

PAN
Pan hand horizontally to control CV from -5 to +5 volts



ROLL
Roll hand to the side to control CV from -5 to +5 volts

VIBRATO
Move hand sideways to control CV from -5 to +5 volts

TAP
Hit any surface to trigger a 5V pulse

CLICK
Use the Down button as a 5V gate

2b · Installing Wavefront

The ribbon cable comes attached to the back of Wavefront. All you have to do is secure Wavefront to your rack.
The red strip is -12V.

Turn your system on. A white LED on the module should start fading in and out indicating that it has power and is ready to groove.

2c · Pairing

With Wavefront connected, **turn Wave on** by pressing its Middle button. Two LEDs should start fading in and out on Wave. Move Wave close to Wavefront and **press the black button** on the module. LEDs on both devices should now be stable.

Wave will remain connected until it is explicitly disconnected **by holding the button on Wavefront for three seconds**.

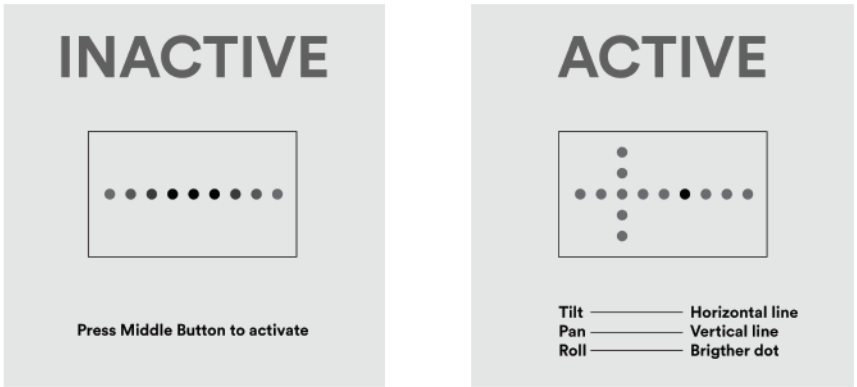
2d · Identifying

If you have more than one **Wave+Wavefront** connected to your rack you can identify which Wave is connected to each module by pressing the button on Wavefront again. This will trigger the **LED display on the Wave that's connected** to that particular Wavefront.

2e · Using Wave with Wavefront

Each button on Wave has its own distinctive function.

The LED display indicates whether Wave is sending data or not. A **stable horizontal line** indicates that Wave is **inactive** while **interactive horizontal and vertical lines** indicate that Wave is **actively** sending data to Wavefront.



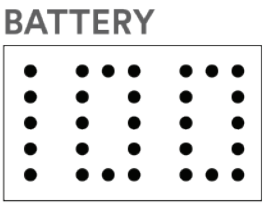
Chapter 3.
Edit Mode

3a · Edit Mode

Edit Mode allows you to edit each of Wave's functions on the ring itself.

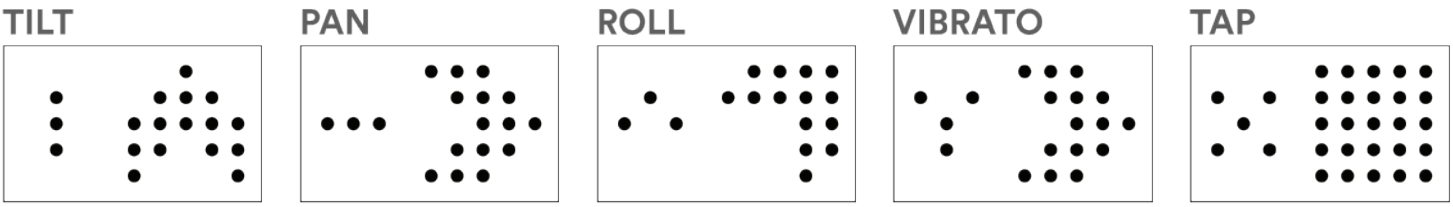
You enter/exit Edit Mode by holding the Up button.

The first screen that shows up briefly when entering Edit Mode is the **battery status** of Wave.



When the battery status disappears you've entered Edit Mode.

Navigate between the functions, represented by their icons, **using the Up and Down buttons.**

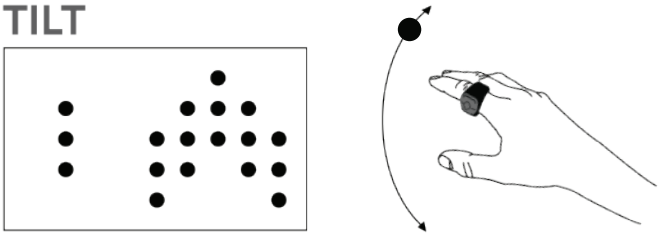


3b · Movement Direction

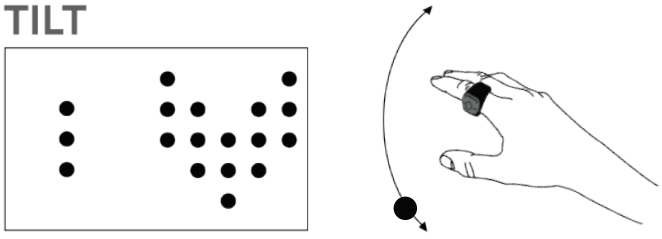
The arrow beside the icon for each function **indicates the movement direction.**

To invert the movement direction press the Middle button.

The arrow should flip.



The default state for Tilt is that if you move your hand up the signal goes up as well (the same direction).

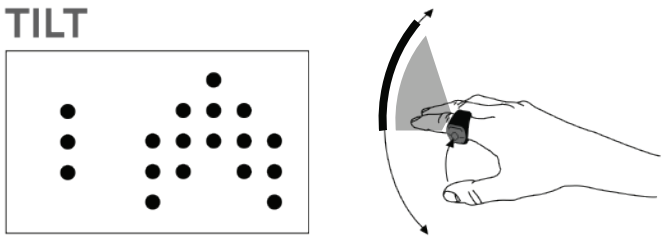


If you invert the Tilt movement the signal goes down when you move your hand up (inverted direction).

3c · Movement Range

The default range of each movement is **from 0 to 90 degrees**. To change it simply **hold the Middle button** and trace the desired range of the movement. **You can go up to 180 degrees**.

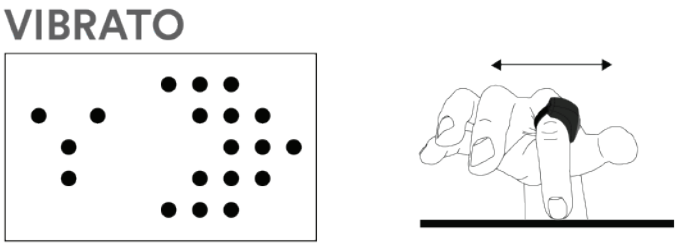
The position where you start tracing will become the movement's starting point when you **Recenter**.



Hold the Middle button. The LEDs should start flashing.
Trace out the desired range of the movement.
A smaller range makes the movement more sensitive.

3d · Vibrato Sensitivity

Hold the Middle button and move side to side to change the sensitivity.
The slower you move the more sensitive the Vibrato will be.



Hold the Middle button. The LEDs should start flashing.
Move side to side while holding the button.

3e · Output Range

The default output range for movements is -5V to +5V. This range is customizable for each movement.

With the icon for the movement you want to edit, **hold the Down button** to enter the Output Range editor.

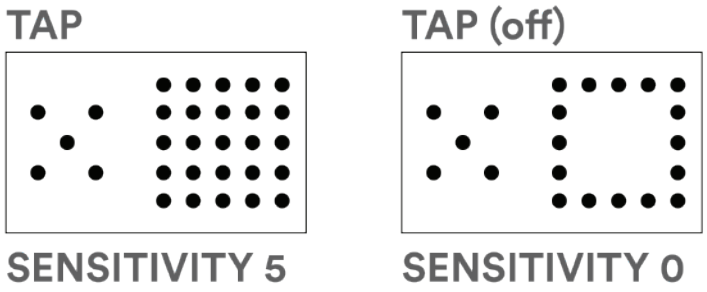
You can now toggle between editing min/max values of the range by **pressing the Middle button** and increase/decrease by **pressing the Up/Down button** respectively.

To exit the Output Range editor **hold the Down button** again.

3f · Tilt Sensitivity

Press the Middle button and use the Up and Down buttons to increase/decrease the sensitivity.

A rectangle means that Tap has been turned off.



Use the Up and Down buttons to change how hard you have to tap to trigger sound.