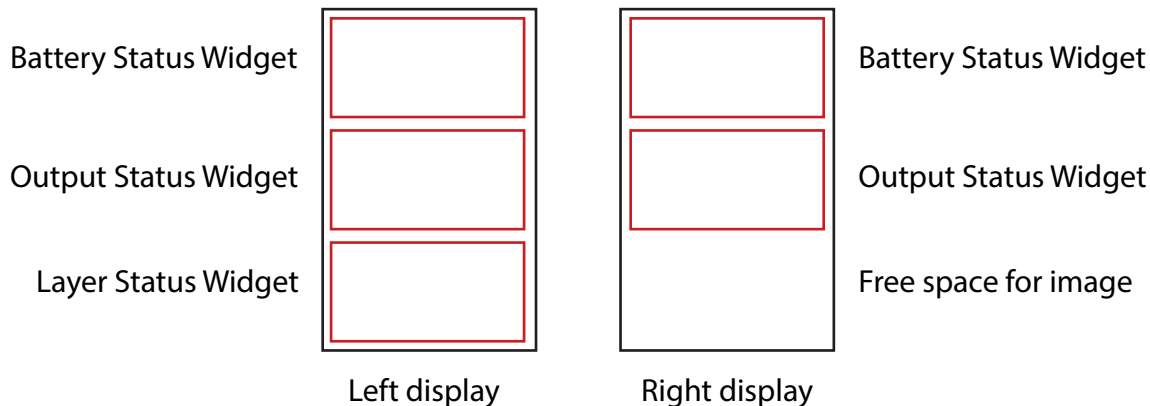


The Corne-ish Zen has two e-paper displays, one on each of the left and right sides. The following document describes the meaning of the icons that appear on these displays.







Widgets

ZMK firmware uses the concept of widgets to put information on the screen. There are three main widgets that are used, and the displays differ slightly from left to right. The red boxes describe where the widgets are placed.



Battery Status Widget

The status of the batteries contained inside the Corne-ish Zen halves are displayed graphically in the Battery status widget. The battery symbol appears in different states depending on the battery's State Of Charge (SOC)... which is a percentage of charge remaining from fully charged. This percentage is divided up into 6 sections as described below.

-  SOC is 95% or higher
-  SOC is 75 to 94%
-  SOC is 50 to 74%
-  SOC is 25 to 49%
-  SOC is 5 to 24%
-  SOC is less than 5%

When the USB type C cable is plugged into a power source, and the battery begins to charge, the battery symbols change to identify the charging state. Each of the icons to the left have a matching charging symbol, except for < 5%.



Charging state at 95% or higher

Output Status Widget

The connectivity status of the Corne-ish Zen halves are displayed graphically in the Output status widget. The connectivity options differ slightly from left to right, as each side of the keyboard function differently:

- The right “peripheral” half only connects wirelessly to the left half
- The left “central” half only connects to the host (computer, phone, tablet etc.) This connection can be wireless or wired over USB.

Basic connectivity icons



Wireless is on, but no bonded connection made



Wireless actively advertising for a connection



Wireless is connected and bonded to an endpoint

The above icons always appear with a second icon next to it to describe the nature of the connection. The second icon appears differently on the left and right sides.

Right side:



Not connected to the left half



Successfully connected to the left half

Left side:



Not able to connect to the bonded host in this position



Actively advertising to connect to the host in the 4th position



Successfully connected and bonded to the host in the 2nd position



Display Iconography

Layer Status Widget

The Layer Status Widget identifies what the current active layer of the keymap is. This widget can display a string of text or an ID number to identify the layer. To show a string of text, id. the layer name, you must include a label for your layer in the ZMK .keymap file. This can be entered like `label = "QWERTY";` and can be placed just after the layer's opening curly brace. It is recommended to limit the label text to 6 characters or less, otherwise the label will exceed the width of the display and be cut off. The default layers shipped with the Corne-ish Zen are as follows:

↓ LAYER ↑
QWERTY

The main (default) typing layer is active

↓ LAYER ↑
NUMBER

The "raise" layer is active

↓ LAYER ↑
SYMBOL

The "lower" layer is active