# **Evaluation Kit 5.2**

### EVKIT301H1F1PV1

### Instructions



## Content

Driver 5.2



Content	Quantity
Driver 5.2 HW601FW2	1
DISP433V1PV1	1
DISP430V1PV1	1
DISP434V1PV1	3
DISP431V2PV1	2
DISP438V2PV1	1
DISP442V2PV1	1
DISP443V2PV1	1
DISP437V2PV1	1
DISP440V2PV1	1



### Driver



## **Power supply**

Step 1 (Driver 5.2 connection)

• Connect the Driver 5.2 to the power supply using the USB-C connector.



### **Power ON**

#### Step 2 ( turning the driver 5.2 on)

 Press and hold the START button (figure 1). The PwrOK LED and the L8-Red LED will light up (figure 2). Keep it pressed (for about 4 seconds) until the Selection LEDs light up with the boot-up animation: LED L8-Blue and the Selection LEDs will light up in increasing order and turn OFF in decreasing order, leaving only L1, L8-Blue and PwrOK ON (figure 3).

### Note

To power OFF the driver remove the usb cable. Alternatively, press the RESET button (all LEDs will turn OFF)









Figure 3

# **Display connection**

The driver 5.2 is a simple and intuitive tool to operate the display.

- Open the FPC connector (gently push it upwards) (figure 4 and 5)
- Connect the display (figure 6)
- Close the FPC connector gently (figure 7)



Figure 5





Figure 7

# Animations

To select an animation, follow these steps:

- a. Use the **UP and DOWN buttons** to **select the desired animation.**
- b. When the **UP button is pressed**, the Selection **LEDs light up in ascending order**.
- c. When the **DOWN button is pressed**, the Selection **LEDs light up in descending order**.
- d. After animation 7 (LED L7 ON), LEDs L1 and L2 light up, followed by L1 and L3, etc.
- e. After reaching the L1, L2 and L5 set (16th animation), it **returns to animation 1 (only L1 ON)**, as indicated in Animation Table (page 9).
- f. Press the START button to begin the animation.- LED L8 Green turns ON
- g. Press the START button to pause/resume the animation.- LED L8 Green blinks while paused)
- h. Press and hold START button for 2 seconds to cancel the animation.
  - LED L8 Blue turns ON
- i. Repeat the procedure to either restart or select a new animation.



Figure 7

### Note:

The UP and DOWN buttons are disabled while an animation is running, and become available again after canceling the animation (press START for ~2 seconds).

### Available animations

Animation	Active LEDs	Display Part Number	Display Description	Animation Description
1	L1	All Displays	all	Toggle Color/Bleach
2	L2	DISP430V1PV1	Double Digit Display with minus (15 seg) - 46 x 34 mm	Positive - Count Up
3	L3	DISP430V1PV1	Double Digit Display with minus (15 seg) - 46 x 34 mm	Positive - Count Down
4	L4	DISP430V1PV1	Double Digit Display with minus (15 seg) - 46 x 34 mm	Negative - Count Up
5	L5	DISP430V1PV1	Double Digit Display with minus (15 seg) - 46 x 34 mm	Negative - Count Down
6	L6	DISP433V1PV1	Double Digit Display with dot (15 seg) - 46 x 34 mm	Dot ON - Count Up
7	L7	DISP433V1PV1	Double Digit Display with dot (15 seg) - 46 x 34 mm	Dot ON - Count Down
8	L1+L2	DISP437V2PV1 DISP440V2PV1 DISP442V2PV1 DISP443V2PV1	OK indicator display (1 seg) - 40 x 27 mm Cross Display Indicator (1 seg) - 40 x 27 mm Danger Display Indicator (1 seg) - 40 x 27 mm ON Display Indicator (1 seg) - 40 x 27 mm	ON (for some seconds) and then turns OFF
9	L1+L3	DISP434V1PV1	Single Digit Display with dot (7 seg) - 47 x 25,5 mm	Count Up, Dot ON (blink on cycle transition)
10	L1+L4	DISP434V1PV1	Single Digit Display with dot (7 seg) - 47 x 25.5 mm	Count Down, Dot ON (blink on cycle transition)
11	L1+L5	DISP431V2PV1	Bar Graph (7 seg) - 52 x 24 mm	Count Up
12	L1+L6	DISP431V2PV1	Bar Graph (7 seg) - 52 x 24 mm	Count Down
13	L1+L7	DISP438V2PV1	Triple Square indicator (3 seg) - 58 x 22 mm	Count Up
14	L1 + L2 + L3	DISP438V2PV1	Triple Square indicator (3 seg) - 58 x 22 mm	Count Down
15	L1 + L2 + L4	DISP438V2PV1	Triple Square indicator (3 seg) - 58 x 22 mm	Middle ON, Top ON, Bottom ON