

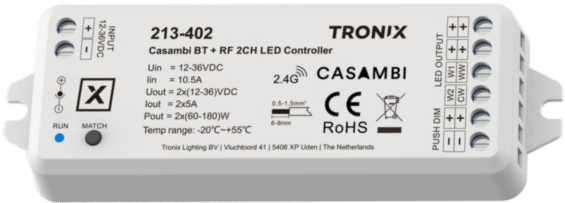
TRONIX

Casambi

213-402

Casambi Bluetooth + RF 2CH Constant Voltage LED Controller

- DC socket or terminal screw power input, 2-channel constant voltage output, maximum output current per channel is 5A.
- Use to control single color or color temperature LED strip.
- Casambi APP control, support on/off, color temperature and brightness adjustment, group control, scene editing, minimum/maximum brightness setting, power-on startup status and multiple power-down memory function settings.
- Set up multiple light types via the Casambi APP, can match with single-zone or multi-zone RF remotes with the same light types.
- Connect the self-reset switch to realize on/off and 0-100% dimming function.
- Light on/off fade time 0-3s selectable.

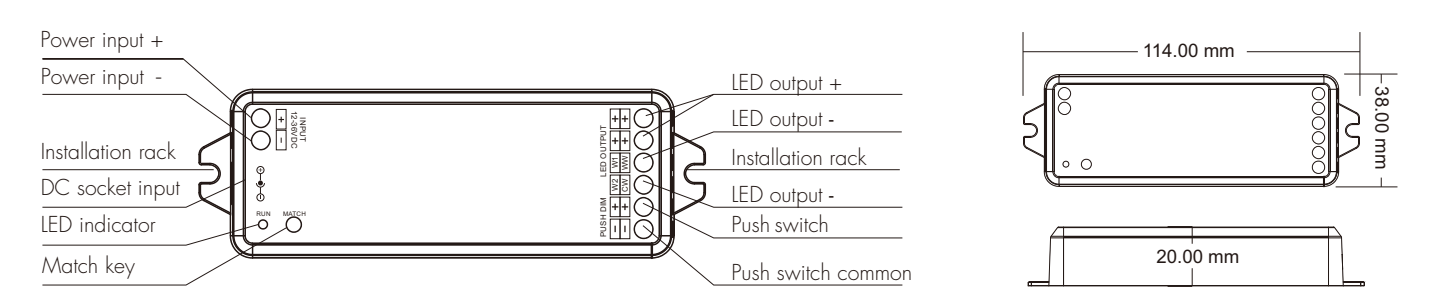


CE RoHS

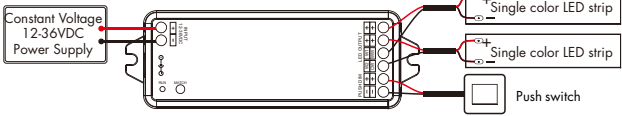
Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-36VDC	Input signal	Bluetooth + RF 2.4GHz + Push switch	EMC standard	EN IEC 55015/EN IEC 61547 ETSI EN 301 489-1/-3/-17
Input current	10.5A	Remote distance	30m(Barrier-free space)	Safety standard	EN 61347-1/-2
Output voltage	2 x (12-36)VDC	Dimming level	4096 (2 ¹²) level	Radio Equipment	ETSI EN 300 440 ETSI EN 300 328
Output current	2CH, 5A/CH	Dimming range	0 - 100%	Certification	CE RoHS
Output power	2 x (60-180)W	Dimming curve	Logarithmic	Warranty and Protection	
Output type	Constant Voltage	PWM Frequency	4000Hz (default)	Warranty	5 years
Package		Environment		Protection	Reverse polarity, Overheat, short circuit
Size	L120 x W43 x H35mm	Operation temperature	Ta: -20 °C ~ +55 °C		
Gross weight	0.073kg	Case temperature (Max.)	Tc: +85 °C		

Mechanical Structures and Installations



Light Type and Wiring

Light type	Model & Profile ID	Application	Wiring diagram
V1-DIM 	1CH/Dim 37895	Control single color LED strips.	
V2-DIMx2 	2CH/Dim, Dim 38237	Control two single color LED strips independently.	
V2-CCT 	2ch/Dim, TW 37896	Control color temperature LED strip.	

- Note:**
1. Users can connect a constant voltage power supply or a power adapter as power input.
 2. When Casambi APP switches different light types, the color of the LED indicator light is different (DIM: white; CCT: yellow).

Casambi APP Connection

Use Casambi APP for the first time

When devices are used for the first time, they need to be added to the network.
A device can only be part of one network.
All Casambi devices are normally supplied in an unpaired state.

1. Download the Casambi APP from the Apple App Store or Google Play Store.
2. The device is powered on and automatically enter the config state.
3. The APP will search for all devices with casambi turned on within the Bluetooth range of the mobile device.
4. When a device is added to the network, it can be controlled by application.

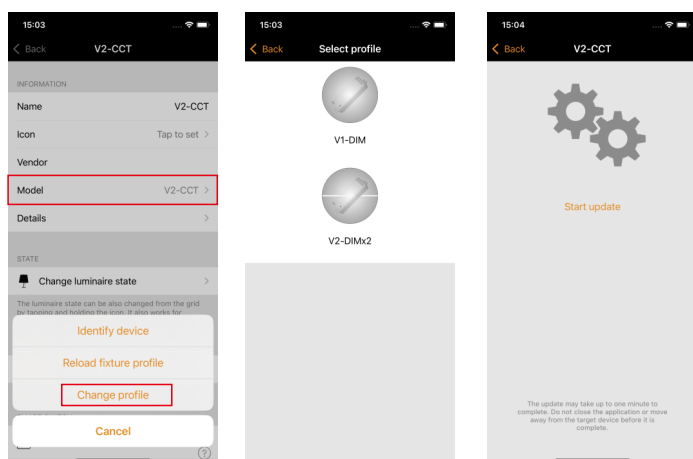


Compatible System: Android 4.4 and ios10.0 or above.



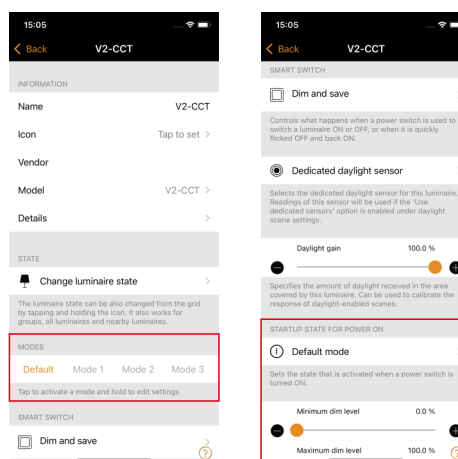
Casambi uses Bluetooth Mesh network technology and each Casambi device can also be used as a repeater for longer distances.
The distance is highly dependent on the surroundings and obstacles such as walls and building materials.

Casambi APP user interface



Select the profile:

Double click on the fixture icon, change the profile file through the "Model" in the setting interface, as shown in the figure, you can switch V1-DIM, V2-DIMx2 or V2-CCT light type, click "Start Update", the device immediately switch to the corresponding light type.



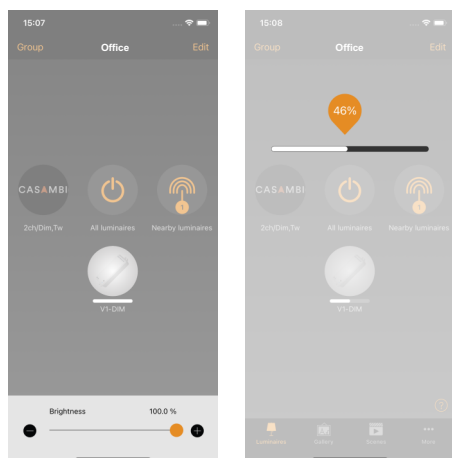
Mode Settings/Startup Status for Power on

/Minimum, Maximum Brightness Settings:

Setting interface: Long press "Mode 1/2/3" to edit/clear/cancel the setting mode.

Short press "Default Mode" to select power on startup state.

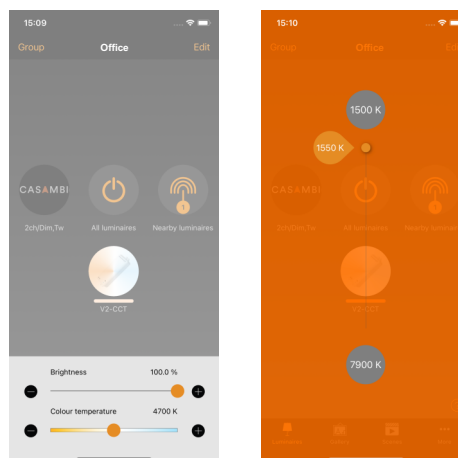
Slide the adjustment bar left/right or touch "+/-" key to set the minimum/maximum brightness.



DIM:

Method 1: Slide left and right at the fixture icon to adjust the brightness.

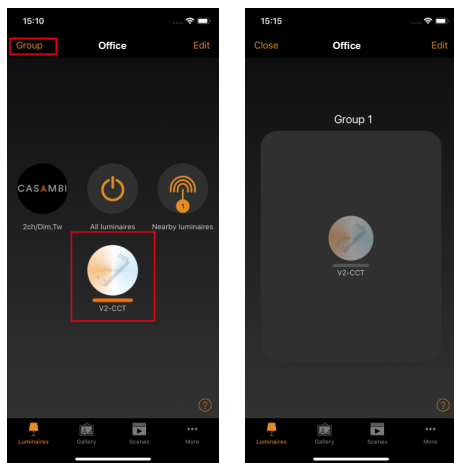
Method 2: Long press the fixture icon, the brightness bar will be displayed at the bottom of the interface, touch the bar to adjust the brightness.



CCT:

Method 1: Slide left and right at the fixture icon to adjust the brightness; slide up and down to adjust the color temperature.

Method 2: Long press the fixture icon, the brightness bar and color temperature bar will be displayed at the bottom of the interface. Touch the brightness bar to adjust the brightness, touch the color temperature bar to adjust the color temperature.



Group Control:

In the main interface, click "Group" in the upper left corner, select the fixture you want to group, and create a group. The main interface shows the new group, and then you can control the group.

Note: All functions of this product can be operated on the APP, so please refer to the Casambi APP User's Guide for details.

Match Remote Control

Please select the RF remote control with the same light type according to the light type set in Casambi APP for match.

Two options are offered for selection:

Use Match key

Match:

Short press match key, immediately press on/off key (single zone remote) or zone key (multiple zone remote) of the remote.

The LED indicator fast flash a few times means match is successful.

Delete:

Press and hold match key for 5s to delete all match, The LED indicator fast flash a few times means all matched remotes were deleted.

Use Power Restart(Alternate)

Match:

Switch off the power, then switch on power, repeat again.

Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote.

The light blinks 3 times means match is successful.

Delete:

Switch off the power, then switch on power, repeat again.

Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote.

The light blinks 5 times means all matched remotes were deleted.

Push Switch Dimming

V1-DIM 	Click	Light on/off
	Double click	Turn on at 100% or 10% (night light) and vice-versa
	Long press(> 1s) from OFF	Dimming UP/DOWN
	Long press(> 1s) from ON	Dimming UP/DOWN
V2-DIMx2 	Click	Light on/off
	Double click	Turn on at 100% or 10% (night light) and vice-versa (2-channel synchronized)
	Long press(> 1s) from OFF	Dimming UP/DOWN (2-channel synchronized)
	Long press(> 1s) from ON	Dimming UP/DOWN (2-channel synchronized)
V2-CCT 	Click	Light on/off
	Double click	Turn on at 100% or 10% (night light) and vice-versa
	Long press(> 1s) from OFF	Color temperature UP/DOWN (turn off and turn on to return dimming)
	Long press(> 1s) from ON	Dimming UP/DOWN

Installation Precautions

1. The products shall not be stacked, the distance should be $\geq 20\text{cm}$, so as not to affect lifespan of the products due to poor heat dissipation.
2. The product shall not be installed close to the switching power supply with an interval of $\geq 20\text{cm}$ to avoid radiation interference of the switching power supply.
3. The installation height shall be $\geq 1\text{m}$ from the floor to avoid shortening the remote control distance due to too weak reception signal.
4. The products are not allowed to be close to or covered by metal objects, with an interval of $\geq 20\text{cm}$ to avoid signal attenuation and shorten the remotedistance.
5. Avoid installation at the corner of the wall or the corner of the beam, with an interval of $\geq 20\text{cm}$ to avoid signal interference.