

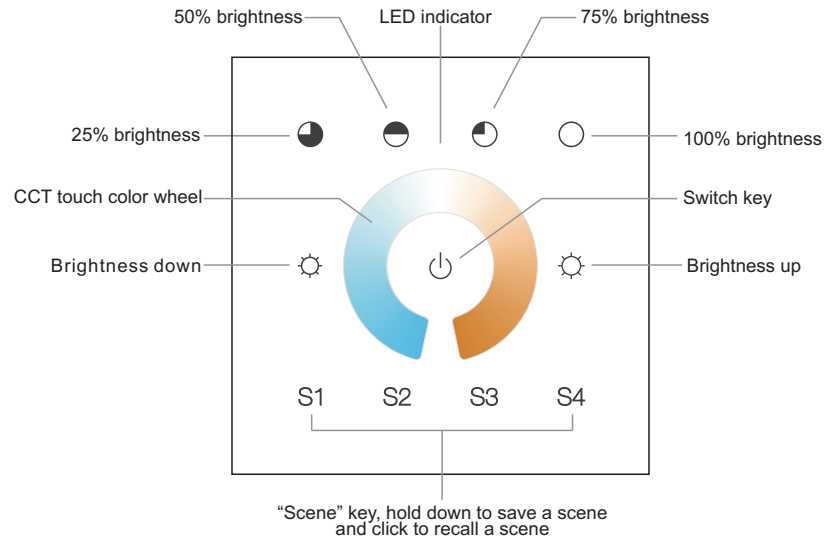
Dual Color Z-wave Slave Controller

09.ZV2TC.04767

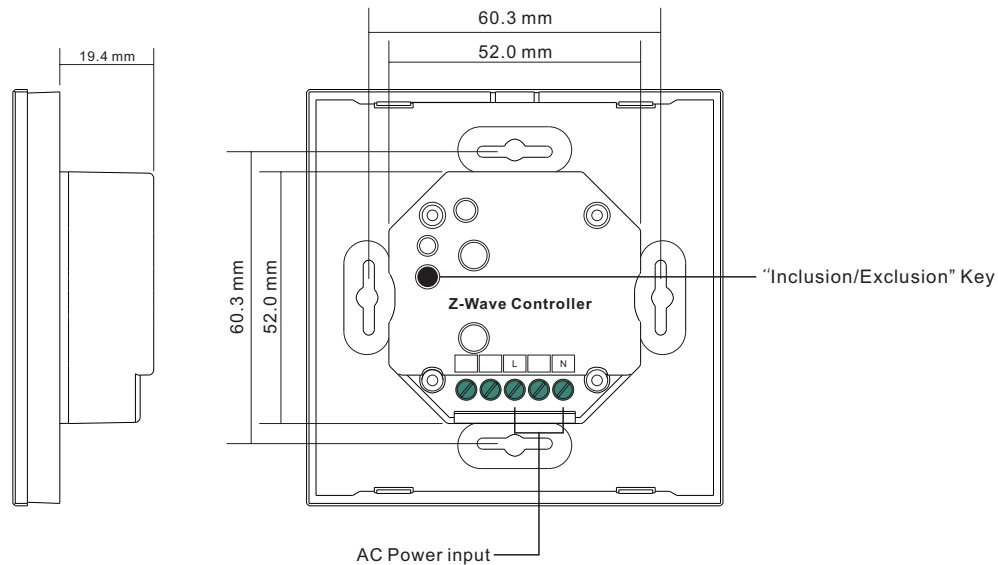


Important: Read All Instructions Prior to Installation

Function introduction



Front side



Back side

Product Data

Output	Z-Wave signal
Operation Frequency	868.4MHz
Power Supply	100-240V AC
Transmission Range (free field)	30m
Operating temperature	0-40°C
Relative humidity	8% to 80%
Dimensions	86x86x29.1mm

- Full touch control
- Z-wave mesh network
- Compatible with all universal dual color z-wave primary controllers or gateway
- Control 1 group

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

Operation

1. Do wiring according to connection diagram correctly.

2. The wall controller is a secondary controller that does not support Z-Wave network administrator feature and will always need a Master (Primary) Z-Wave network controller to be added into a Z-Wave network.

3. The wall mounted controller is Z-Wave Plus enabled, on-wall mountable wireless controller that is able to control associated receiver devices. This device can control 1 Group (Light Zone) with associated nodes.

Technical Data

SDK	6_61_00
Radio protocol	Z-Wave Plus
Explorer Frame Support	Yes
Basic Device Class	BASIC_TYPE_ROUTING_SLAVE
GenericDevice Class	GENERIC_TYPE_GENERIC_CONTROLLER
Specific Device Class	SPECIFIC_TYPE_REMOTE_CONTROL_SIMPLE

Z-Wave Plus Info Report

Parameter	Value
Z-Wave Plus Version	1
Role Type	5 (ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_ALWAYS_ON)
Node Type	0 (ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_NODE)
Installer Icon Type	0x0B00 (ICON_TYPE_GENERIC_REMOTE_CONTROL_SIMPLE)
User Icon Type	0x0B00 (ICON_TYPE_GENERIC_REMOTE_CONTROL_SIMPLE)

Manufacturer Specific Report

Parameter	Value (hex)
Manufacturer ID 1	0x00
Manufacturer ID 2	0x00
Product Type ID 1	0x00
Product Type ID 2	0x03
Product ID 1	0xa1
Product ID 2	0x01-0x0c

Association Command Class

Association Group	Group Name	Nodes	Send Mode	Send commands
Group 1	Lifeline	[1]	Single Cast	DEVICE_RESET_LOCALLY_NOTIFICATION (Sent when factory reset the remote)
Group 2	Launch 1	[1,12]	Singlecast/ Multicast (The touch color wheel uses multicast to send packets)	the Basic Set, Switch Multilevel Start Level Change, Switch Multilevel Stop Level Change, Switch Multilevel Set, Switch Color Set, Scene Activation, Scene Actuator Conf Set, Central Scene Notification

4. Added to z-wave network

Set z-wave master (primary) controller into network inclusion mode (please refer to their manual to learn how) -> click the "Inclusion/Exclusion" key on the back of the slave controller (or press and hold down the switch key (⏏) -> LED indicator on the slave controller turns on and flashes 6 times quickly to indicate successful adding -> there shall be an indication on master controller or z-wave gateway

5. All COMMAND CLASS supported when working as a slave controller are as follows:

COMMAND_CLASS_ZWAVEPLUS_INFO,
COMMAND_CLASS_ASSOCIATION_V2,
COMMAND_CLASS_ASSOCIATION_GRP_INFO,
COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V2,
COMMAND_CLASS_MULTI_CHANNEL_V3,
COMMAND_CLASS_VERSION,
COMMAND_CLASS_MANUFACTURER_SPECIFIC,
COMMAND_CLASS_CONFIGURATION,
COMMAND_CLASS_DEVICE_RESET_LOCALLY,
COMMAND_CLASS_POWERLEVEL,
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2,
COMMAND_CLASS_MARK,
COMMAND_CLASS_BASIC,
COMMAND_CLASS_SWITCH_BINARY_V2,
COMMAND_CLASS_SWITCH_MULTILEVEL_V4,
COMMAND_CLASS_SWITCH_COLOR_V3,
COMMAND_CLASS_CENTRAL_SCENE_V2,
COMMAND_CLASS_SCENE_ACTIVATION,
COMMAND_CLASS_SCENE_ACTUATOR_CONF,

6. Removed from z-wave network

• When the slave controller has already been added to z-wave network, set the z-wave master controller or z-wave gateway into network exclusion mode (please refer to their user manual to learn how) -> click the "Inclusion/Exclusion" key on the back of the slave controller (or press and hold down the switch key (⏏) -> LED indicator on the slave controller turns on and shows 3 short blinks and 1 long blink to indicate successful removing -> there shall be an indication on the master controller

• Press and hold down "Inclusion/Exclusion" key on the back of the remote for over 10s until the LED indicator shows 3 short blinks and 1 long blink, which means successful factory reset.

Note: Resetting the device is not recommended and please only execute it in the event that your primary Controller is lost or otherwise inoperable, a reset of the device will clear all network information.

7. Group for Associations

This secondary controller supports 2 groups for associations:

Group 1: Lifeline (Used for reporting devices' state to the Master Controller if any changes happen). This group supports one node, which default association to the Master Controller node.

Group 2: each group supports maximum 12 controllable devices for association, the same device can be associated with multiple remotes simultaneously, and can be associated with multiple groups on the same remote simultaneously. Please make sure to disassociate the controllable devices that are not in working status with the remote to ensure good control experience.

Once the remote and controllable devices are added to the network, choose from your gateway or hub interface to associate the device with the remote. (Please refer to their user manual to learn how).

8. Control the devices associated with this controller

• How to control the controllable devices:

Configure the remote via gateway with CC "COMMAND_CLASS_ASSOCIATION" or "COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION" to associate the controllable devices with the remote.

• How to undo the control to controllable devices:

Configure the remote via gateway with CC "COMMAND_CLASS_ASSOCIATION" or "COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION" to disassociate the controllable device with the remote.

Note: all configuration parameters for association will be removed automatically after the remote is removed from the network.

• About Scene Usage:

Z-Wave has two types of mainstream scene commands: "CENTRAL_SCENE" and "SCENE_ACTIVATION", and scenes can be saved to two types of device: the controlled devices or Z-Wave gateway. This remote can meet all kinds of scene usage type requirements via "CONFIGURATION PARAMETERS".

CONFIGURATION PARAMETERS :

SCENE_TYPE		
Parameter Number	Default Value	Size
3	0	1
To choose the way of sending Scene		
Value	Description	
0	CENTRAL_SCENE	
1	SCENE_ACTIVATION	

SCENE_SEND_TO_WHERE		
Parameter Number	Default Value	Size
4	1	1
To choose send to where		
Value	Description	
0	Send to the gateway	
1	Send to the association group	

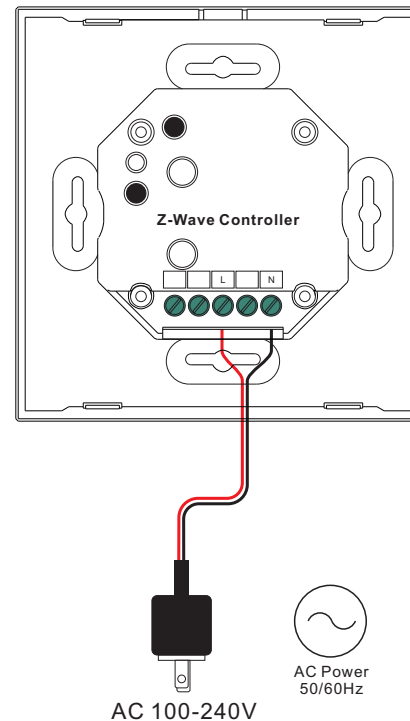
Parameter 3 can be configured via "COMMAND_CLASS_CONFIGURATION" to decide which scene command to use "CENTRAL_SCENE" or "SCENE_ACTIVATION", factory default is "CENTRAL_SCENE".

Parameter 4 can be configured via "COMMAND_CLASS_CONFIGURATION" to decide which object shall the remote send scene packet to, the gateway or the association group, factory default is the association group.

By factory default this remote uses "CENTRAL_SCENE" to send packet to the association group devices, this method requires that the controlled devices support "CENTRAL_SCENE".

- Switch On/Off
- Adjust brightness of each white by holding down the brightness key
- Choose CCT by slide touching the CCT touch color wheel
- Enable to save and recall 4 scenes by holding down and clicking the S1, S2, S3, S4 keys: Select a color by slide touching the color wheel, then press and hold down any key of S1, S2, S3 or S4 until the LED light connected with the receiver flashes twice, the color is saved successfully. Click any key of S1, S2, S3 or S4 to recall the saved scene.

Wiring diagram



Installation

