

Association: K-ES2 supports 3 association groups (AG):

AG Identifier	Max Node ID	Command Class	Trigger Situation
1	1	COMMAND_CLASS_SWITCH_BINARY_V2, SWITCH_BINARY_REPORT_V2	1. Short press any key for one time, the output state changes. 2.Receive BASIC_SET or BINARY_SET Command from gateway
		COMMAND_CLASS_DEVICE_RESET_LOCALLY, DEVICE_RESET_LOCALLY_NOTIFICATION	Touch any key 20 times in succession
2	5	COMMAND_CLASS_BASIC, BASIC_SET_V2	Short press first button, the output state changes
3	5	COMMAND_CLASS_BASIC, BASIC_SET_V2	Short press second button, the output state changes
4	5	COMMAND_CLASS_SCENE_ACTIVATION, SCENE_ACTIVATION_SET	Parameter 30 set to 1, click third button when parameter 31 is not set to 0.
5	5	COMMAND_CLASS_SCENE_ACTIVATION, SCENE_ACTIVATION_SET	Parameter 33 set to 1, click fourth button when parameter 34 is not set to 0.

Multi-Panels (up to 5) Controlling 1-Load :

For example: Five K-ES2 and their Node IDs are: A-012, B-013, C-014, D-015, E-016

- 1. Wire the load to any of the panel.
- 2. Put all the other 4 panels NIDs: 013,014,015,016 into **A**'s AG2
- 3. Put all the other 4 panels NIDs: 012,014,015,016 into **B**'s AG2
- 4. Put all the other 4 panels NIDs: 012,013,015,016 into **C**'s AG2
- 5. Put all the other 4 panels NIDs: 012,013,014,016 into **D**'s AG2
- 6. Put all the other 4 panels NIDs: 012,013,014,015 into **E**'s AG2

Scene Function:

- 1. Scene Response Device
As a Scene Response device, it supports “Scene Activation CC” and “Scene Actuator Conf CC” ,which make the device can be added into any scene , and supports 100 Scene ID. In parameter item 50-55, users can configure which external switch button will respond the scene CC.
- 2. Scene Activate Device
As a Scene Activate device, when pressing the switch button, it will send “Scene Activation” to Association Group 1 (normally associated to the gateway) to activate corresponding scenes, and the scene ID is set by configuration parameter. This function is disabled by default, to activate it, please refer to the configuration parameter table item 30-35.
- 3. Central Scene Activate Device
As a Central Scene Activate device, it supports “Central Scene CC”. When pressing the switch button, it will send “Central Scene Notification” to Association Group 1 (normally associated to gateway). This function is always being activated and cannot be disabled.

Parameter Setting:

Number (Dec)	Function	Size	Description	Default (Dec)	Possible Values(Dec)
1	Switch State Saved Or Not When Power Failure	1	0: Not saved , switch will be offwhen powered again 1: Saved , switch will keep the same state when powered again	1	0-1
2	White LED Backlit Brightness Level	1	0: LED disabled 1~10: Min level-Max level	10	0-10
3	Blue LED Backlit Brightness Level	1	0: LED disabled 1~10: Min level-Max level	10	0-10
4	Disable Local Control	1	0: All keys are valid for local control 1: All keys are invalid for local control	0	0-1
5	Disable Remote Control	1	0: All keys are valid for remote(gateway) control 1: All keys are invalid for remote(gateway) control	0	0-1
6	All Keys Mode	1	0: Single click to switch on/off state 1: Key default as OFF state. When it is turned on, it will be turned off automatically after a time period, which can be set from Parameter 11. 2: Key default as ON state. When it is turned off,it will be turned on automatically after a time period, which can be set from Parameter 11. 3: Hold the key then key is on, and off once released 4: Hold the key>3s then switch on/off state	0	0-4
7	Key1 Mode	1	0: Single click to switch on/off state 1: Key default as OFF state. When it is turned on, it will be turned off automatically after a time period, which can be set from Parameter 11,12 2: Key default as ON state. When it is turned off, it will be turned on automaticallyafter a time period, which can be set from Parameter 11,12 3: Hold the key then key is on, and off once released 4: Hold the key>3s then switch on/off state	0	0-4

Number (Dec)	Function	Size	Description	Default (Dec)	Possible Values(Dec)
8	Key2 Mode	1	0: Single click to switch on/off state 1: Key default as OFF state. When it is turned on,it will be turned off automatically after a time period , which can be set from Parameter 11, 13 2: Key default as ON state. When it is turned off,it will be turned on automatically after a time period, which can be set from Parameter 11, 13 3: Hold the key then key is on, and off once released 4: Hold the key>3s then switch on/off state	0	0-4
11	All Keys On/Off State Duration	2	0: Infinite 1~32767 Unit "sec"	0	0~32767
12	Key1 On/Off State Duration	2	0: Infinite 1~32767 Unit "sec"	0	0~32767
13	Key2 On/Off State Duration	2	0: Infinite 1~32767 Unit "sec"	0	0~32767
30	Key3 Mode Setting	1	0: All ON/OFF switching 1: For activate Scene	0	0-1
31	Single Click Key3 To Activate Scene ID1	1	0: Disabled 1~100: Scene ID	0	0-100
32	Key3 Activate Scene Duration	1	0: Instantly 1~127: Delay n*1 sec to activate scene -1 ~-127: Delay (n+128) min to activate scene	0	0-127, -1 ~-127
33	Key4 Mode Setting	1	0: All ON/OFF switching 1: For activate Scene	0	0-1
34	Single Click Key4 To Activate Scene ID1	1	0: Disabled 1~100: Scene ID	0	0-100
35	Key4 Activate Scene Duration	1	0: Instantly 1~127: Delay n*1 sec to activate scene -1 ~-127: Delay (n+128) min to activate scene	0	0-127, -1 ~-127
50	Scene Respond (ID 1-100)	1	0: Scene respond disabled 1: Key1 respond scene;Key2Key3 Key4 not respond scene 2: Key2 respond scene;Key1 Key3 Key4 not respond scene 3: Key1 and Key2respond scene;Key3 Key4not respond scene	0	0-3,
51	Scene Respond (ID 1-20)	1			
52	Scene Respond (ID 21-40)	1			
53	Scene Respond (ID 41-60)	1			
54	Scene Respond (ID 61-80)	1			
55	Scene Respond (ID 81-100)	1			
255	Factory setting	1	85 Restore factory setting	0	85

Restoring Factory Settings

Restoring Factory Settings Press 20 times of any button or exclude the device from Z-Wave network, the factory setting will be restored.

1-Year Limited Warranty

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