ZIPABOX2

Z-Wave™ Integration Manual

Control your home from anywhere in the world

Z WAVE PLUS

GENERAL Z-Wave™ INFORMATION

Z-Wave Plus™ device type: Central controller
Z-Wave Plus™ role type: Central static controller

Supported command classes:
COMMAND_CLASS_ZWAVEPLUS_INFO V2
COMMAND_CLASS_TRANSPORT_SERVICE V2
COMMAND_CLASS_CRC_16_ENCAP
COMMAND_CLASS_APPLICATION_STATUS
COMMAND_CLASS_SUPERVISION
COMMAND_CLASS_INCLUSION_CONTROLLER
COMMAND_CLASS_TIME
COMMAND_CLASS_MULTI_CMD
COMMAND_CLASS_SECURITY
COMMAND_CLASS_SECURITY_2

Secured:
COMMAND_CLASS_VERSION V3
COMMAND_CLASS_NETWORK_MANAGEMENT_INCLUSION V3
COMMAND_CLASS_NETWORK_MANAGEMENT_PROXY V2
COMMAND_CLASS_NETWORK_MANAGEMENT_BASIC V2
COMMAND_CLASS_POWERLEVEL
COMMAND_CLASS_MANUFACTURER_SPECIFIC V2
COMMAND_CLASS_NETWORK_MANAGEMENT_INSTALLATION_MAINTENANCE V2
COMMAND_CLASS_INDICATOR V3
COMMAND_CLASS_NODE_PROVISIONING
COMMAND_CLASS_FIRMWARE_UPDATE_MD V5
COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION V4
COMMAND_CLASS_ASSOCIATION V3
COMMAND_CLASS_ASSOCIATION_GRP_INFO V3
COMMAND_CLASS_DEVICE_RESET_LOCALLY

SUPPORTED ASSOCIATION GROUPS

GROUP ID: 1 - Lifeline Group
MAX NODES IN GROUP: 1

BASIC COMMAND CLASS HANDLING

• This product will in some cases try to interpret BASIC_SET received from devices and perform the appropriate action (Eg. a basic set 0xFF or 0x0 received from a binary sensor might be interpreted be interpreted as a change of sensor state).
• Unsupported devices can be controlled with the BASIC_SET command by sending 0x0 and 0xFF values to the unsupported device. The UI control for the BASIC_SET command will be in the "Lights & power" section of the dashboard.

OTHER INFORMATION

• This product can be included and operated in any Z-Wave™ network with other Z-Wave™ certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.
• This product is a security enabled Z-Wave™ product that is able to use encrypted Z-Wave™ messages to communicate to other security enabled Z-Wave™ products.

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ADDING AND REMOVING Z-Wave™ DEVICES

ADDING Z-Wave™ DEVICES WITH THE DEVICE MANAGER

It is recommended to add new devices with the device manager by pressing the "Add New Device" button. Select the Z-Wave™ logo and follow on-screen instructions. Devices added with the device manager will be configured in the following way and in the following order:
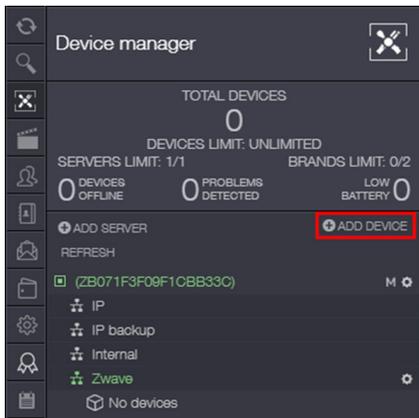
- Z-Wave™ inclusion
- Z-Wave™ secure inclusion, if the device being added supports the Security command class
- Configuration/interview of certain command classes that are supported by the device being included
- Return routes assignment to primary controller

ADDING Z-Wave™ DEVICES WITH THE Z-Wave™ NETWORK MANAGEMENT TOOLS

The recommended way of adding new Z-Wave™ devices is via the device manager. Z-Wave™ network management tools are located under the Zipabox settings. It is recommended to only use the Z-Wave™ network management tools to add a new device only if you have problems with adding your device via the device manager. Devices added with the Z-Wave™ network management tools will be configured in the following way and in the following order:

- Z-Wave™ inclusion
- Z-Wave™ secure inclusion, if the device being added supports the Security command class
- Minimal device configuration/interview, as is mandatory by the Z-Wave Plus™ specification
- Return routes assignment to primary controller

REMOVING Z-Wave™ DEVICES

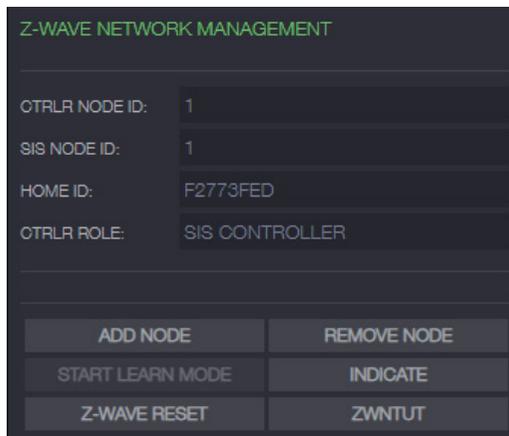Z-Wave™ devices can be removed with the Z-Wave™ network management tools:

- Navigate to Z-Wave™ network management tools
- Click the "Remove node" button and follow onscreen instructions

⊙→ Z-Wave™ NETWORK MANAGEMENT TOOLS

⊙→ Z-Wave™ NODE MANAGEMENT TOOLS

ADD NODE - Add a Z-Wave™ device to the current Z-Wave™ network
REMOVE NODE - Remove a Z-Wave™ device from the current Z-Wave™ network
CONTROLLER LEARN MODE - Currently disabled
INDICATOR - The Zipabox2 identifies itself using its LED when sent the Indicator Set command from the Indicator Command Class with the Indicator ID 0x50 (identify).

ZWNTUT - Z-Wave™ Network Topology Update is used to rebuild the routing table and to update return routes on all Z-Wave™ devices in the current Z-Wave™ network.
HARD RESET - Reset Z-Wave™ module to default settings.
This will effectively delete the current Z-Wave™ network and create a new one. All your devices will be deleted and it will be necessary to remove them prior to adding them to another Z-Wave™ network. Use this procedure only in the event that the network primary controller is missing or otherwise inoperable. To copy network data to another controller click the **ADD NODE** button and put the other controller in learn mode. This is typically done to transfer information about newly joined devices to other inclusion controllers.
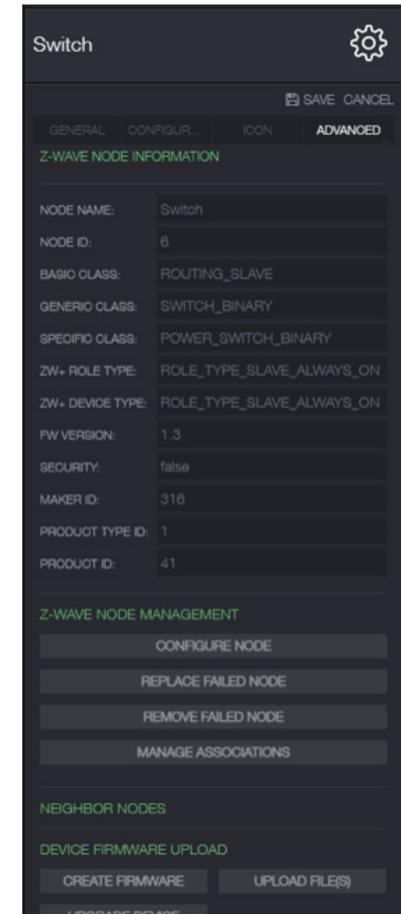
Z-Wave™ node management tools are located in the "Device settings" menu. To open the device setting menu press the small gear icon.

CONFIGURE NODE - This function is used to configure or gather information about certain supported command classes of the device.

REPLACE FAILED NODE - This function is used to replace a failed node in your Z-Wave™ network. When you replace a failed node A with a new node B, node B will get the node id of the replaced node. This also means that all the routing information of the replaced node A will be assigned to the new node B.

REMOVE FAILED NODE - This function will completely remove a failed node from the current Z-Wave™ network. A failed node is a Z-Wave™ device that no longer sends reports or responds to commands. Please note that you cannot remove a device that still responds to commands with this function.

MANAGE ASSOCIATIONS - Pressing this button will open the associations manager for this device. The associations manager can be used to create Z-Wave™ associations between Z-Wave™ devices.

Z-WAVE NETWORK MANAGEMENT

CTRLR NODE ID:	1
SIS NODE ID:	1
HOME ID:	F2773FED
CTRLR ROLE:	SIS CONTROLLER

ADD NODE	REMOVE NODE
START LEARN MODE	INDICATE
Z-WAVE RESET	ZWNTUT

⚡ Zwave ⚙

☐ Switch 🗑 ⚙

Switch ⚙

SAVE CANCEL

GENERAL   CONFIGUR...   ICON   **ADVANCED**

Z-WAVE NODE INFORMATION

NODE NAME:	Switch
NODE ID:	6
BASIC CLASS:	ROUTING_SLAVE
GENERIC CLASS:	SWITCH_BINARY
SPECIFIC CLASS:	POWER_SWITCH_BINARY
ZW+ ROLE TYPE:	ROLE_TYPE_SLAVE_ALWAYS_ON
ZW+ DEVICE TYPE:	ROLE_TYPE_SLAVE_ALWAYS_ON
FW VERSION:	1.3
SECURITY:	false
MAKER ID:	316
PRODUCT TYPE ID:	1
PRODUCT ID:	41

Z-WAVE NODE MANAGEMENT

CONFIGURE NODE
REPLACE FAILED NODE
REMOVE FAILED NODE
MANAGE ASSOCIATIONS

NEIGHBOR NODES

DEVICE FIRMWARE UPLOAD

CREATE FIRMWARE	UPLOAD FILE(S)
UPGRADE DEVICE	

→ SMARTSTART OPTION

SmartStart allows the devices to be automatically included into the network when they power on. For SmartStart to be able to add devices in such a way the devices need to be on the provisioning list of the controller. To add a device to the provisioning list the "ADD CODE" option must be used:
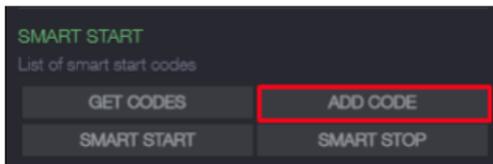

A new window should open, it allows the user to enter the name for the device and a choice of either the numeric representation of the QR code or the DSK:

Keep in mind that either code OR DSK need to be entered, entering them both is not necessary. After filling the required fields the "Add" button will add the code into the provisioning list. Now the device should get automatically included into the network when it powers on.

The "GET CODES" button gets the list of all of the devices added to the provisioning list. Here they can be viewed or removed from the provisioning list:
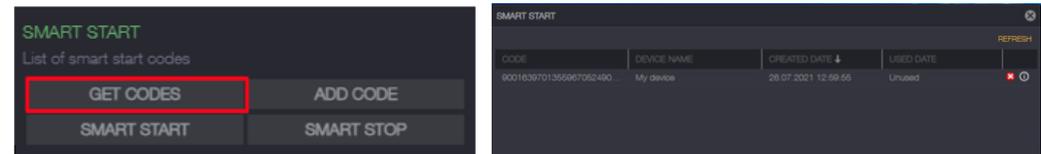
The provisioning list contains the code used to add the device, its name and when was it added to the list. The red "X" button on the right side of the window removes the current row from the controllers provisioning list:

Removing a device from the provisioning list will stop it from being automatically included when it powers on.