

Z-Wave Plus System Integrators Guide

Document Revision: 1.0

Z-Wave function descriptions

This device is a security enabled Z-Wave Plus product that is able to use encrypted Z-Wave Plus messages to communicate to other security S2/S0 enabled Z-Wave Plus products. This device must be used in conjunction with a security enabled Z-Wave controller in order to fully utilize all implemented functions.

This product can be operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

-Add for inclusion Z-Wave network and enrolls the lock

- Follow the user guide of hub to enter learning mode
- Operate on lock following guide below:
 - ◆ Set the controller in inclusion mode
 - ◆ Enter master mode(refer to programming instruction)
 - ◆ Input "81#" to join a network

-Remove for exclusion Z-Wave network and un-enrolls the lock

- Follow the user guide of hub to enter learning mode
- Operate on lock following guide below:
 - ◆ Set the controller in exclusion mode
 - ◆ Enter master mode(refer to programming instruction)
 - ◆ Input "82#" to log off a network

-Factory reset:

- Operations on lock
 - ◆ Open the door and keep the lock in "unlock" status
 - ◆ Open battery box and find the reset button
 - ◆ Use a sharp thing to press and hold the reset button
 - ◆ Keep holding the reset button and remove a battery from battery box then replace it
 - ◆ Keep holding the reset button until hearing beeper sounds

※Please use this procedure only when the network primary controller is missing

Z-Wave Plus Info

Manufacturer ID: Alfred (0x021D)

Z-Wave Device Type: Door Lock keypad

Z-Wave Role Type: Listening Sleeping Slave (LSS)

Product Type: 0x0003

Product ID: 0x0002

Supported Command Classes

Command	Version
Association Command Class*	V2
Association Group Information (AGI) Command Class*	V1
Battery Command Class*	V1
Device Reset Locally Command Class*	V1
Door Lock Command Class*	V2
Firmware Update Meta Data Command Class*	V4
Manufacturer Specific Command Class*	V2
Notification Command Class*	V8
Powerlevel Command Class*	V1
Security 0 Command Class	V1
Security 2 Command Class	V1
Supervision Command Class	V1
Time Command Class	V1
Time Parameters Command Class*	V1
Transport Service Command Class	V2
User Code Command Class*	V1
Version Command Class*	V3
Z-Wave Plus Info Command Class	V2

* Command Class Requires Security S0/S2

Command Class Door Lock

Alfred Z-Wave Plus locks only support 2 door lock modes : Door Secured(0xFF) and Door Unsecured (0x00)

Alfred locks do not support timed operation from the door lock command class

Command Class User Code

The door lock will only retain valid user code types(0x00,0x01). All other values will be ignored

Currently due to limitations of the Z-Wave User Code Command class locks only support 20 user codes

Alfred locks support multiple different user status bytes:

User status byte value	Description
0x00	available
0x01	occupied

Association Table

Grouping identifier	Maximum supported Nodes	Name	Commands
1	5	Lifeline	Battery Report ; Notification Report; Door Lock Operation Report; User Code Report; Device Reset locally notification

Notifications Table

Type	Event	Description
0x06	0x01	Manual lock operation
0x06	0x02	Manual unlock operation
0x06	0x03	Bluetooth or Z-Wave lock operation
0x06	0x04	Bluetooth or Z-Wave unlock operation
0x06	0x0B	Lock jammed
0x06	0x0C	All user codes deleted
0x06	0x0D	Single user code deleted
0x06	0x0E	New user code added
0x06	0x0F	New user code not added due to duplicate code
0x06	0x13	Manually enter user access code exceeds code limit(Continuous error 10 times)

SmartStart

SmartStart enabled products can be added into a Z-Wave network by scanning the Z-Wave QR Code present on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity.

Please Save the QR Code carefully.If both the DSK representation on the product and any DSK provided in the product packaging were to fade,rub off or, be lost,the device would not be able to be added to a Z-Wave network.

You can find the QR code and DSK inside of battery box.



DSK:

15687-21164-21632-19008-
03504-55383-29750-0493

