

Z-Wave Security and Configuration Details for Bolt Z-Wave

Bolt Z-Wave is a Z-Wave Plus® v2 security-enabled device that supports S2 encryption for secure communication. When paired with an S2-capable Z-Wave controller, it utilizes encrypted Z-Wave Plus v2 messages to ensure robust security across your smart home system.

Note : To fully access all security and functionality features, this device must be used with a Z-Wave controller that supports S2 security. If paired with a non-S2 controller, the lock will default to a lower security level to maintain backward compatibility with older Z-Wave networks.

Advanced Configuration

This section outlines the supported association groups and configuration parameters for advanced users who want to manually customize the lock’s behavior.

Please refer to your Z-Wave controller or gateway documentation for detailed instructions on how to apply these settings.

Door Sensor Configurable parameters

Configuration Parameters	Parameter Number	Size	Description
Mute Enable/Disable	1	1	1=Mute, 0=Unmute, default 0
Auto relock On/Off	2	1	1=On, 0=Off, default 0
Auto lock timeout	3	2	5 to 1800 seconds default is 30 seconds
Door sensor Enable/Disable	9	1	1 = Enable, 0 = Disable, default 0
Door sensor calibration closing	A	1	Config dsensor calibration closing
Door sensor calibration closed	B	1	Config dsensor calibration closed
Door sensor calibration opened	C	1	Config dsensor calibration opened

Supported Command Classes

Command Class	Version	Not added	Nonsecur added	Securely 0 added		Securely 2 added	
				Nonsecure CC	Secure CC	Nonsecure CC	Secure CC
Command Class Association	2				Support		Support
Command Class Association Group Info	3				Support		Support
Command Class Basic	2				Support		Support
Command Class Battery	1				Support		Support
Command Class Device Reset Locally	3				Support		Support
Multi Channel Association	3				Support		Support
Command Class Door Lock	4				Support		Support
Command Class Firmware Update Meta Data	5				Support		Support
Command Class Indicator	3				Support		Support
Command Class Manufacturer Specific	2				Support		Support
Command Class Powerlevel	1				Support		Support
Command Class Security 0	1	Support	Support	Support		Support	
Command Class Security 2	1	Support	Support	Support		Support	
Command Class Supervision	1	Support	Support	Support		Support	
Command Class Transport Service	2	Support	Support	Support		Support	
Command Class User Code	4				Support		Support
Command Class Version	2				Support		Support
Command Class Z-Wave Plus Info	2	Support	Support	Support		Support	

Association Command Classes

Group ID	Maximum Nodes	Description	Function
1	5	Lifeline	DEVICE_RESET_LOCALLY_NOTIFICATION DOOR_LOCK_OPERATION_REPORT BATTERY_REPORT INDICATOR_REPORT NOTIFICATION_REPORT DOOR_LOCK_CONFIGURATION_REPORT USER_CODE_REPORT

Identity Function

Indicator ID		Property ID	
Node Identify	0x50	On Off Period	0x03
		On Off Cycles	0x04
		On time within an On/Off period	0x05

Basic Command Classes

Command Class	Value	Mapped	Value	Function
Basic Set	0x00	Door Lock Operation Set	Door Unsecured	Open the door
	0xFF		Door Secured	Close the door
Basic Report	0x00	Door Lock Operation Report	Door Unsecured	The lock is opened
	0xFF		Door Secured	The lock is closed
Basic Get		Door Lock Operation Get		

Notification Command Classes

Notification Type	Event	Alarm Reports	Description
0x06	0x01	Manual Lock	Manual lock operation
0x06	0x02	Manual Unlock	Manual unlock operation
0x06	0x03	RF Operate Lock	RF lock operation
0x06	0x04	RF Operate Unlock	RF unlock operation
0x06	0x05	Keypad Lock	Keypad lock operation
0x06	0x06	Keypad Unlock	Keypad unlock operation
0x06	0x09	Auto Lock Operate Locked	Auto lock locked operation
0x06	0x0B	Lock jammed	Lock jammed
0x06	0x0C	All User Deleted	All user codes deleted
0x06	0x0D	User Deleted	Single user code deleted
0x06	0x0E	User Added	New user code added
0x06	0x0F	Duplicate Pin-code error	New user code not added due to duplicate code
0x06	0x10	Tamper Alarm	Keypad temporary disabled

How to Trigger Notifications

Event	Alarm Reports	Trigger Method
0x01	Manual Lock	Rotate thumbturn to Locked
0x02	Manual Unlock	Rotate thumbturn to Unlock
0x03	RF Operate Lock	RF lock operation
0x04	RF Operate Unlock	RF unlock operation
0x05	Keypad Lock	Locked via "ULTRALOQ" button
0x06	Keypad Unlock	Unlock by entering user code via keyboard.
0x09	Auto Lock Operate Locked	Unlock first, and after waiting for 30 seconds, the device will Auto Lock.
0x0B	Lock jammed	In the unlocked state, press the Ultraloq relock button and manually hold the thumb turn to prevent it from rotating (simulating a jam). Once you hear two beeps, the jam has been triggered. At this point, a notification can be received.
0x0C	All User Deleted	Delete all user codes
0x0D	User Deleted	Delete single user code
0x0E	User Added	New user code added
0x0F	Duplicate Pin-code error	New user code not added due to duplicate code
0x10	Tamper Alarm	The password is entered incorrectly 5 consecutive times

Need Help?

For technical documents and more
Please visit **support.ultraloq.com** or call 1-844-439-8832

FCC Caution.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

*RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.