

Technical Note of adding Ness Two-Way Wireless (TWR) devices into ELKRP

Introduction

This application will provide step by step instructions of how to add a Ness Two-Way Wireless device into the system via ELKRP programming software.

Notes

VERY IMPORTANT : The M1XRFTWM "two-way" Transceiver must be enrolled as the first zone expander (Address # 2) on the M1 Control Data Bus. And NO MORE THAN 3 additional M1XRFTWM transceivers may be connected to the M1 for expanded coverage. If added, the 2nd M1XRFTWM transceiver must be enrolled at data bus address 3, the 3rd at data bus address 4, and the 4th at data bus address 5. If there are any other existing model expanders (wireless or hardware) already installed at one of these needed addresses they must be relocated (Re addressed) to a higher address to make room for the M1XRFTWM(s).

No bus addresses other than 2, 3, 4, or 5 may be used for M1XRFTWM Transceivers.



Each Ness TWR Devices has a TXID code printed on the label of the detection device. Make sure you make note of this TXID code before mounting the product.

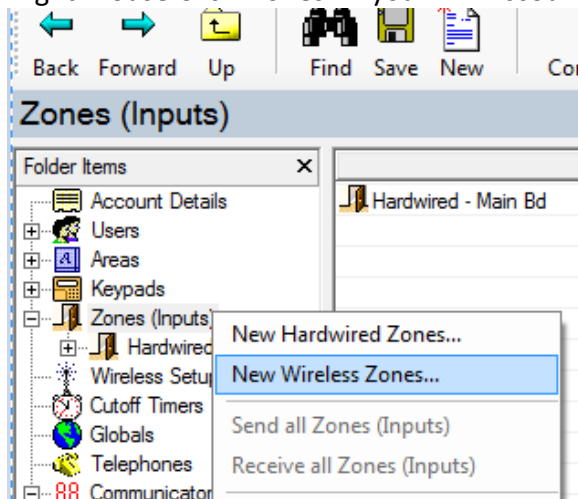
1.1 Creating a wireless Expander within the M1

1.1.1 Add a Wireless Module

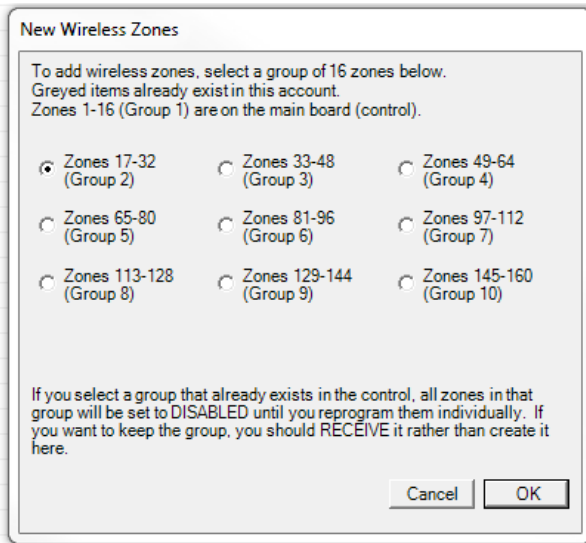


Each Ness TWR M1XRFTWM "two-way" Transceiver can support up to 144 zones of wireless zones.

1. Right Mouse Click 'Zones' in your M1 Account and select "New Wireless Zones"

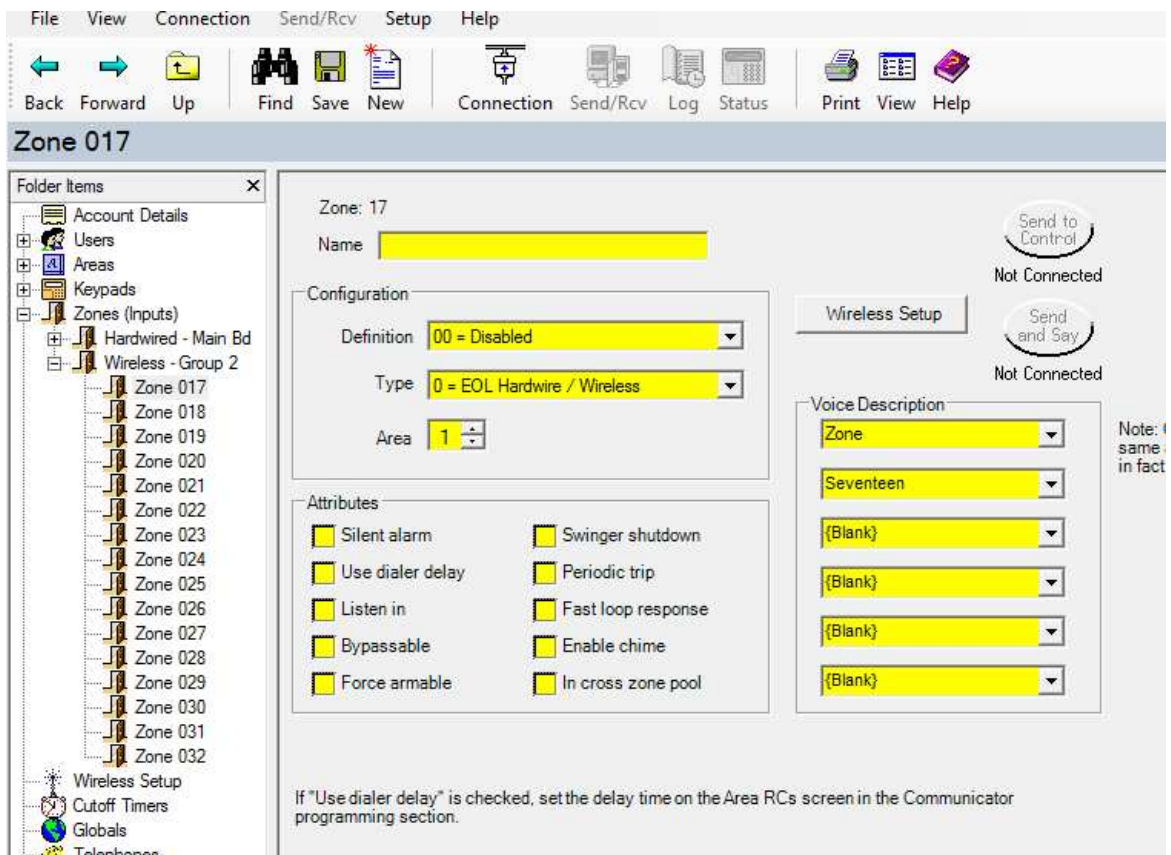


2. Select the first 'Group' of 16 Zones to be added.



Each Wireless Expander can support up to 144 zones of wireless. If more zones are required beyond the 16 Zones, then add additional expanders, even if they are physically not present on the system.

3. Select the Zone you wish to program



1.1.1.1 Adding a TWR Keyfob / Radio Key



Give the Zone / Keyfob a name of who is to be issued the key

Selected the Definition as "15=Keyfob"

Set the Area the Keyfobs "Arm / Disarm" buttons will control.

Click on "Wireless Setup"

Within the 'Wireless Zone setup, enter details as per below to complete adding the Wireless Keyfob.

Check the Enable Box

Ensure the 'Supervised' setting is set to "0=Not Supervised"
Do not set 'Option 1 or Option 2'
(Setting Option 1 will set Buttons 1-4 on the Radio Key to be Buttons 5-8 in M1 programming.)
Leave 'This device is a PIR' option not set.

Select the User ID for this User / Keyfob.
As default all Wireless Keyfobs are registered as user 199. You can leave it as this, or select an individual ID (1-255) for this user. If 1-199 is already set a PIN user then it will share the same ID as the PIN user.

Each Keyfob has a unique TXID. This is printed on the product sticker as shown in the image below.

This TXID needs to be entered into RP's Tx ID section. However as the printed No. is 8 Digits only 6 Digits are entered into RP.
If the TXID Code on the sticker is "F109278A" then only the 1st digit ("F") and the last 5 digits "9278A" is entered = F9278A. RP will then add a "0" to the start of the number making the code in RP as **0F9278A**.
(The 2nd and 3rd Digit on the sticker is not used)

You do not need to worry about "DL" or "H ID" codes, as RP will generate these based on the TxID Codes.
For Wireless Keyfobs the "Loop" should be left on '0'.

Once completed, enter 'Save'

This will close the 'Wireless Setup' and allow you to select another zone to have the Wireless details programmed.

1.1.1.2 Adding a TWR Radio Reed switch into an M1 via ELKRP.



Give the Zone a name

Set the definition as required, as you would a hard wired zone.
e.g. "01=Burglar entry / Exit 1"

Set the Area the Zone will be allocated to so it will be active for alarms when this area of the M1 is Armed.

Click on "Wireless Setup"

Within the 'Wireless Zone setup, enter details as per below to complete adding the Wireless Reed Switch.

Change Wireless Zone

Zone 18

Enabled If this box is checked, you cannot manually enroll this transmitter. You must enter a valid TxID or DL# below before checking this box.

Supervised

Option 1 Option 2

This device is a PIR (auto restore)

Keyfob User ID If transmitter is NOT a keyfob, this is ignored.

Although only Users 1 to 199 have User Codes, you can select any number up to 255. This number will identify the user in the system log and for central station reports. To enable reporting for users 200-255, enter a report code for User 199. Users 200-203 are reserved by the system. User 201 is the Installer. User 202 is ElkRP.

Tx ID or DL

5800 Series Transmitters

H ID Loop

Cancel Save

Check the Enable Box

Set 'Supervised' to "1=Normal Supervision"
Do not set 'Option 1 or Option 2'
Leave 'This device is a PIR' option not set.

The 'Keyfob' User ID is only valid for Wireless Keyfobs, so this field is N/A.

Each TWR Reed has a unique TXID. This is printed on the product sticker as shown in the image below.



This TXID needs to be entered into RP's Tx ID section. However as the printed No. is 8 Digits only 6 Digits are entered into RP.
If the TXID Code on the sticker is "A219269C" then only the 1st digit ("A") and the last 5 digits "9269C" is entered = A9269C. RP will then add a "0" to the start of the number making the code in RP as **09269C**. (The 2nd and 3rd Digit on the sticker is not used)

You do not need to worry about "DL" or "H ID" codes, as RP will generate these based on the TxID Codes.
For Wireless Reed switches the "Loop" must be set to "2".

Once completed, enter 'Save'

This will close the 'Wireless Setup' and allow you to select another zone to have the Wireless details programmed.

1.1.1.3 Adding a TWR PIR in an M1 via ELKRP.



Give the Zone a name

Set the definition as required, as you would a hard wired zone.
e.g. "01=Burglar entry / Exit 1"

Set the Area the Zone will be allocated to so it will be active for alarms when this area of the M1 is Armed.

Click on "Wireless Setup"

Within the 'Wireless Zone setup, enter details as per below to complete adding the Wireless Reed Switch.

Check the Enable Box

Set 'Supervised' to "1=Normal Supervision"
Do not set 'Option 1 or Option 2'

Leave "This device is a PIR Option **NOT SET** / Not checked. This is not required for TWR PIR's.

The 'Keyfob' User ID is only valid for Wireless Keyfobs, so this field is N/A.

Each TWR Reed has a unique TXID. This is printed on the product sticker as shown in the image below.



This TXID needs to be entered into RP's Tx ID section. However as the printed No. is 8 Digits only 6 Digits are entered into RP.
If the TXID Code on the sticker is "4309316A" then only the 1st digit ("4") and the last 5 digits "9316A" is entered = 49316A. RP will then add a "0" to the start of the number making the code in RP as **049316A**.

You do not need to worry about "DL" or "H ID" codes, as RP will generate these based on the TxID Codes.

For Wireless PIR's the "Loop" must be set to "2".

Once completed, enter 'Save'

This will close the 'Wireless Setup' and allow you to select another zone to have the Wireless details programmed.

1.1.1.4 Programming Keyfobs / Radio Key Button Events.

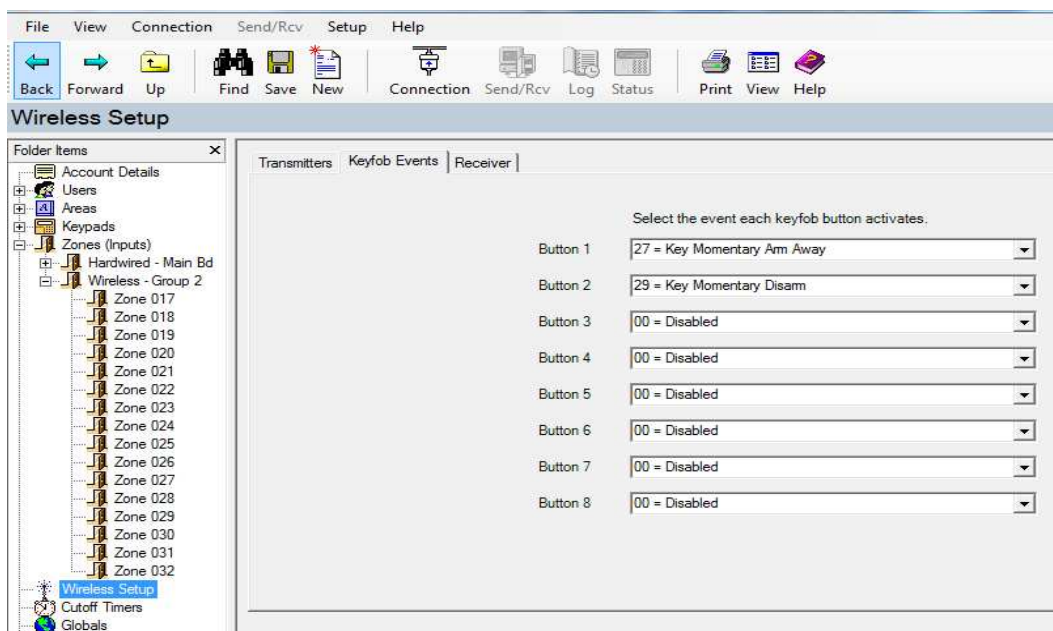


By factory default key (button) 1=Arm, 2=Disarm, and 3=Inquiry (System Status) & key / button 4 is disabled.

However these buttons can be programmed to perform whatever function is required and can function differently between Keyfob / Radio Keys.

To set the function of each Key / button for global operation, click on “Wireless Setup” and then select “Keyfob Events”. You can then set what ‘global function’ you require each button to perform when pressed.

(for Individual Radio Key button operation, leave the Buttons Disabled here and enable them in ‘rules’ programming using the “Whenever..... “and Last User Was..” Rules option.



Button 3 is the Enquiry Button. When pressed it responds with the status of the M1 Area the Keyfob is addressed to.

To activate an Event Button 3 is assigned, press and Hold Button 3 for 4 Seconds.

This is a set function and not changeable.



Additional Information:

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