

738I ITI™ Interface Module

INSTALLATION AND PROGRAMMING GUIDE

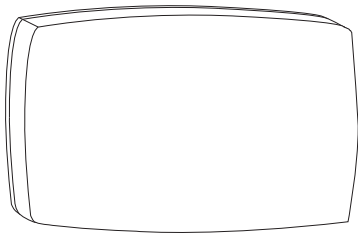


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ABOUT THE 738I ITI™

The 738I ITI™ Wireless Interface Module allows you to interface ITI™ SuperBus™ 2000 Series Wireless receivers with the DMP XT Series and XR Series Control Panels. This module allows up to 96 supervised, programmable zones of ITI wireless transmitters when used with the ITI™ MAX SuperBus™ 2000 Radio Receiver. The 738I allows 32 zones when used with the ITI™ 32-Zone SuperBus™ 2000 Radio Receiver and allows 16 zones when used with the ITI™ 16-Zone SuperBus™ 2000 Radio Receiver. Tables 1 and 2 list compatible wireless receivers and transmitters.

Supported Wireless Receivers and Transmitters

The maximum wire distance between the ITI wireless receiver and the 738I is 3 feet.

Table 1 lists the wireless receivers supported and Table 2 lists the wireless transmitters supported.

MODEL NAME	NUMBER OF SUPPORTED ZONES		
	XT30	XT50	XR SERIES
16-Zone SuperBus™ 2000 Radio Receiver	16	16	16
32-Zone SuperBus™ 2000 Radio Receiver	16	32	32
MAX SuperBus™ 2000 Radio Receiver	16	32	96

Table 1: ITI Wireless Receivers Supported

MODEL NAME	ITI MODEL NUMBER
2-Button SAW Keychain Touchpad	60-707-0195R
4-Button SAW Keychain Touchpad*	60-659-95R
2-Button Crystal Keyfob	60-607-319.5
4-Button Crystal Keyfob*	60-606-319.5
SAW Door/Window Sensor	60-670-95R
Crystal Standard Door/Window Sensor	60-362-10-319.5
Crystal Long-Life Door/Window Sensor	60-641-95
Recessed Micro Door/Window Sensor	60-741-95
Crystal PIR Motion Sensor	60-703-95

MODEL NAME	ITI MODEL NUMBER
SAW PIR Motion Sensor	60-639-95R
Wireless AP750W PIR Motion Sensor	60-880-95
SAW Pet Immune PIR Motion Sensor	60-807-95R
DS 924i Pet Immune PIR Motion Sensor	60-511-02-95
SAW Outdoor PIR Motion Sensor	60-639-95R-OD
Water-Resistant Pendant Panic Sensor	60-578-10-95
Wrist Watch Panic Sensor	60-906-95
Wireless ShatterPro™ Glassbreak Sensor	60-873-95
Learn Mode DS 924i PIR Motion Sensor	60-511-01-95

Table 2: ITI Wireless Transmitters Supported



Note: During 738i programming, the keyfob can be assigned to one zone that operates only the top two buttons by selecting Arming zone, style Maintain. After programming is complete, the Lock button enables a maintained Short condition that arms the assigned area(s). The Unlock button restores the zone to a Normal condition that disarms the assigned area(s).

INSTALL THE 738I ITI™

1 *Mount the Module*

Mount on Wall

The module comes in a case that mounts directly to walls, backboards, or other flat surfaces. Wire entrances are on the back and each side of the case. Two screw holes at the bottom of the case are for mounting the case on single-gang switch boxes or rings.

Mount in Enclosure

The module can be mounted in a DMP enclosure using the standard 3-hole mounting pattern. Refer to Figure 1 as needed during installation.

1. Hold the plastic standoffs against the inside of the enclosure side wall.
2. Insert the included Phillips head screws from the outside of the enclosure into the standoffs. Tighten the screws.
3. Carefully snap the module onto the standoffs.

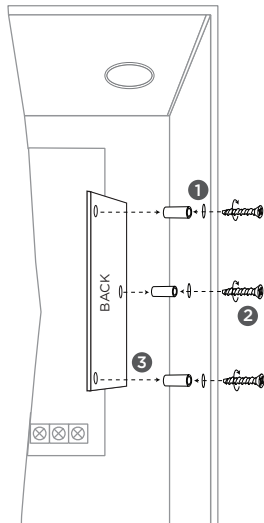


Figure 1: Standoff and Module Installation

2 *Wire the Module*

The 738I connects to the panel 4-wire keypad data bus of XT30/XT50 panels and panel 4-wire keypad data bus. The 738I connects to the LX-Bus of XR Series panels. Use a 4-wire harness to easily connect the 738I to an ITI Wireless Receiver.



Note: When programming 738I zones on the LX-Bus of an XR Series panel, select **NO** when prompted whether the zone is wireless.

DMP Bus Header

For connection to a keypad bus, connect the provided Model 300 4-wire harness (with one 4-wire connector) from the DMP BUS header to the panel terminals marked Red (7), Yellow (8), Green (9), and Black (10).

For connection to the LX-Bus, connect the provided Model 300 4-wire harness from the DMP BUS header to the four wires of the LX-Bus.

Receiver Header

Connect the provided Model 300 4-wire harness from the RECEIVER header to the ITI wireless receiver.

Red = +12

Green = B

Yellow = A

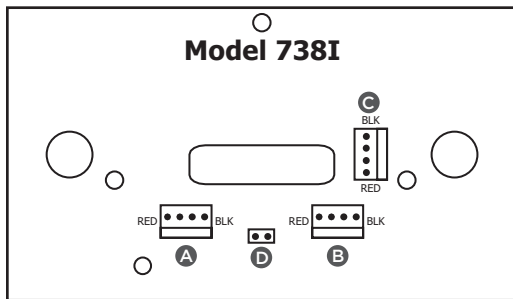
Black = GND

PROG Header

When programming the 738I, connect the provided Model 330 programming cable (with two 4-wire connectors) from the PROG header to any DMP Thinline, wireless, or graphic touchscreen keypad.

PROGRAM Header

1. Place the provided jumper across the PROGRAM header to enter 738I programming mode.
2. After programming, remove the jumper from the header and place it over one pin for future use.



- A DMP Bus Header:** Use Model 300 4-Wire Harness to DMP Keypad Bus or LX-Bus
- B Receiver Header:** Use Model 300 4-Wire Harness to ITI Receiver
- C PROG Header:** Use Model 330 Programming Harness to DMP Keypad for programming
- D PROGRAM Header**

Figure 2: 738I Connection

PROGRAM THE 738I ITI™

1. Connect the Model 330 Programming Cable from the PROG header to any DMP thinline or graphic touchscreen keypad set to address 1. Refer to the specific keypad installation sheet for information on changing the keypad address.
2. Place the jumper across the PROGRAM header. The 738I immediately enters programming mode.
3. Press the **CMD** key to continue.



Note: While in programming mode, all 738I communication to the panel stops.

INIT ALL? NO YES

Initialization

Press the Select key under **YES** to reset all programming options to the factory default. Press the Select key under **NO** to maintain all programming options at their current settings.

BUS: *KYPD LX

Panel Bus Type

Press the Select key under **KYPD** when connecting the 738I to the panel keypad bus. Press the Select key under **LX** when connecting the 738I to the panel LX-Bus. Press the **CMD** key to accept the selection. An asterisk appears to the left of the bus type selected.

ZONE NO:

Zone Number

Enter the two-character zone number (01 - 96) to be programmed. If the zone number is less than 10, enter a leading zero, such as 01. Refer to Table 3 for Keypad Bus Zone numbers. Press **CMD** to accept the entry.

For LX-Bus Zone Numbers, enter the right two digits of the zone number. The panel automatically enters the hundreds digit representing the LX-Bus slot where the card is installed. See Tables 4 and 5. Press **CMD** to accept the entry.

KEYPAD ADDRESS	ZONE NUMBERS	
	XT SERIES	XR SERIES
1	11 to 14	11 to 14
2	21 to 24	21 to 24
3	31 to 34	31 to 34
4	41 to 44	41 to 44
5	N/A	51 to 54
6	N/A	61 to 64
7	N/A	71 to 74
8	N/A	81 to 84


 **Note:** XR550 panels support 16 addresses. 738I only supports 8 addresses.

Table 3: ITI Wireless Receivers Supported

LX-BUS ZONE NUMBERS						
738I ZONE	XR150	XR550				
	LX-BUS 500	LX-BUS 500	LX-BUS 600	LX-BUS 700	LX-BUS 800	LX-BUS 900
1	501	501	601	701	801	901
2	502	502	602	702	802	902
3	503	503	603	703	803	903
4	504	504	604	704	804	904
...						
16	516	516	616	716	816	916
17	517	517	617	717	817	917
...						
32	532	532	632	732	832	932
33	533	533	633	733	833	933
...						
44	544	544	644	744	844	944
45	545	545	645	745	845	945
...						

Table 4: LX-Bus Zone Numbers

LX-BUS ZONE NUMBERS						
738I ZONE	XR150	XR550				
	LX-BUS 500	LX-BUS 500	LX-BUS 600	LX-BUS 700	LX-BUS 800	LX-BUS 900
57	557	557	657	757	857	957
58	558	558	658	758	858	958
...						
66	566	566	666	766	866	966
67	567	567	667	767	867	967
...						
78	578	578	678	778	878	978
79	579	579	679	779	879	979
...						
81	581	581	681	781	881	981
82	582	582	682	782	882	982
...						
95	595	595	695	795	895	995
96	596	596	696	796	896	996

Table 5: LX-Bus Zone Numbers Continued

*UN RF UR

Transmitter Type

Enter a transmitter type by pressing the Select keys below the type of transmitter used as shown on the LCD. For example, press the third from the left Select key to choose unsupervised. Refer to the installation instructions provided with the ITI transmitter for additional information. Default is UN. An asterisk appears to the left of the transmitter type chosen. Press the **CMD** key to accept selection.

UN = Unused Zone

RF = Supervised Transmitter

UR = Unsupervised Transmitter

When a wireless transmitter reed switch, contact, or button is in a faulted condition, then the corresponding panel zone is shorted. When a wireless transmitter tamper is in a faulted condition, the corresponding panel zone is open. A supervised transmitter must report to the 738I at least once every 30 hours or that zone is indicated as missing to the DMP panel.

TRANSMIT NOW

Transmit Now

This is the transmitter learn function and the message displays until the learn function completes. You must trip the transmitter tamper by removing the cover. This sends a transmitter identification to the 738I, identifying the device. The 738I stores the identification and learns the transmitter.

ALREADY ZONE XX

Already Zone

This option indicates that the transmitter has previously been learned as a zone. This message continuously displays until the Back Arrow or **CMD** is pressed. When the Back Arrow is pressed, programming returns to **TRANSMIT NOW** to allow a different transmitter to be learned. When **CMD** is pressed, programming returns to ZONE number. (xx = zone number)

EXT *UN NC NO

External Contact

Select the type of external contact the transmitter is using.

Select **NC** for a Normally Closed circuit.

Select **NO** for a Normally Open circuit.

Select **UN** if an external contact is not used on this transmitter.

An asterisk appears next to the currently selected option.

Exit Programming

Remove the jumper from the PROGRAM header to exit the 738I programming mode. Place the jumper over one pin for future use. Remove the Model 330 cable and the 32-character keypad from PROG header. After exiting programming mode, all zone states report to the panel as NORMAL. Test and verify all zones for proper communication.

738I LED Operation

The green LED on the 738I Module indicates data transmission to the panel.

On: There are no transmitters programmed.

Off: The 738I is not being programmed, or the 738I is not responding to the panel.

Flashes: The 738I is transmitting data to the panel, or it is being programmed.

PRODUCT SPECIFICATIONS

Primary Power	12 VDC
Current Draw	42 mA
Zones	5 VDC, 2 mA max
Dimensions	4.5" W x 2.75" H x 1.75" D 11.43 W x 7 H x 4.45 D cm

COMPATIBILITY

XT Series Control Panels
XR Series Control Panels

CERTIFICATIONS

FCC Part 15

Information furnished is believed to be accurate and reliable.
This information is subject to change without notice.

