

## ADEMCO 6150RF Keypad/Transceiver

# INSTALLATION AND SETUP GUIDE

### GENERAL INFORMATION

The 6150RF Keypad/Transceiver is a combination unit incorporating a normally-open relay output and the functions of:

- 6150 Fixed Addressable Keypad
- 5881M RF Receiver
- 5800TM Transmitter Module

The 6150RF Keypad/Transceiver may be used on any control panel that supports the 6150 Keypad (e.g., VISTA-10P/10SE, VISTA-15/15P, VISTA-20P/20SE/20HWSE, VISTA-40, VISTA-50P, VISTA-128B/128BP, 4110DL, 4110XM, 4140XMP)

### Wireless Features

The 6150RF supports the following:

- 5828/5828V wireless keypads.
- Up to 8 wireless keys locally (programmed directly into 6150RF) without occupying any zones supported by the control panel.
- Button-type transmitters (e.g., 5804, 5804BD) for local operation.
- A maximum of 16 transmitters programmed into any 5800 Series-supported control panel.
- Wireless keys with high-security (e.g., 5804E).
- RF jam detection when the receiver is enabled.

The 6150 provides the following:

- Low-battery indications for the local wireless keys.
- A nominal range of 200' for the RF transmitters (some transmitters have a shorter range).
- Wireless key support for control panels that do not support RF themselves (such as 4110DL).



The 5802, 5802MN, 5802MN2, 5804, 5804BD, 5804BDV, 5804E, 5804WATCH, 5805BDV, 5814, 5816TEMP, 5819, 5819SBRS, 5819SWHS, and 5850 transmitters are not intended for UL installations.

### 6150RF Application Guide

The following guide outlines how to program the wireless keys, RF receiver, and the House ID in the 6150RF for your installation.

System Control Panel	Are you using			Program Wireless Keys Into	6150RF Programming Options	
	RF keys beyond system's capacity?	RF receivers beyond system's capacity?	RF keypads and/or Bi-directional devices on more than 1 partition?		Receiver Enable	House ID Source***
4110DL, 4110XM, 4140XMP, VISTA-20HWSE	N/A	N/A	N/A	6150RF	OFF	Local [0]
VISTA-10P, VISTA-10SE, VISTA-15, VISTA-15P, VIA-30PSE	NO	NO	N/A	System	ON [1]	System [1]
	YES	NO	N/A	6150RF	ON [1]	System [1]
	YES	YES	N/A	6150RF	OFF [0]	Local [0]
VISTA-20SE, VISTA-20P	NO	NO	NO	System	ON [1]	System [1]
	YES	NO	NO	6150RF	ON [1]	System [1]
	YES	YES	NO	6150RF	OFF [0]	Local [0]
	NO	YES	YES*	System	OFF [0]	Local [0]
VISTA-40, VISTA-50P, VISTA-128B, VISTA-128BP	YES	YES	YES*	6150RF	OFF [0]	Local [0]
	NO	NO	NO**	System	ON [1]	System [1]
	YES	NO	NO**	6150RF	ON [1]	System [1]
	YES	YES	NO**	6150RF	OFF [0]	Local [0]
	NO	YES	YES	System	OFF [0]	Local [0]
	YES	YES	YES	6150RF	OFF [0]	Local [0]

\* Two 6150RFs are needed for this application: one assigned to partition 1 and one assigned to partition 2.

\*\* If using an RF keypad on only one partition, the 6150RF's partition assignment must match the partition set in field 1\*48.

\*\*\* If set for Local on a partition control, the 6150RF's partition assignment must match the one programmed in the BD device.

### Programming Features

- Auto Enroll mode for programming wireless keys.
- Provides a method for deleting a serial number and re-enrolling a new one in its place.
- Provides default settings for the wireless key functions.

### Additional Features

- Sends status signals (Armed, Ready, etc.) to bi-directional units such as 5804BDV, 5805BDV and 5828/5828V.
- Operates the on-board relay in conjunction with the receiver (e.g., to trip a garage door opener).

**Note:** This particular feature is not intended for UL installations.

- Activates relays programmed into the control panel.
- Provides an End User mode to enable/disable local wireless keys (e.g., if a user accidentally loses a wireless key). (Refer to the 6150RF User Guide for this procedure.)

### APPLICATION GUIDELINES

Use the following guidelines when planning an installation:

- Local wireless keys (wireless keys programmed directly into the 6150RF) may be used regardless of whether the RF receiver in the 6150RF is enabled or disabled.
- If using bi-directional devices, be sure to enable the transmitter module in the 6150RF.
- If transmitters are programmed into the control panel, be sure to enable the receiver. (Make sure you do not exceed the number of receivers supported by the control panel.)
- If a local wireless key is programmed to arm/disarm or to trigger a relay on the control panel, a user code must be entered into the 6150RF. This user code must also be programmed into the control panel.
- You must set the House ID only if you are using RF keypads and/or bi-directional devices; **AND** the House ID Source is the 6150RF (Local).

## SPECIFICATIONS

**Physical:** 6-1/4" H x 4-7/8" W x 1" D  
(158.75mm x 123.8mm x 25.4mm)

**Wiring:** Refer to Wiring Table on page 2

**Range:** 200' nominal

**Frequency:** 345 MHz

**Voltage:** 12VDC

**Current:** Standby 80mA  
Backlighting on and  
Sounder on 105mA

**Relay:** Normally-Open, 1A, 28VDC

**Sounder:** Piezo-electric (fire alarm is loud pulsing tone;  
burglary/audible panic alarm is two tone  
sound)

**FOR DETAILS ON THE LIMITATIONS OF THE ENTIRE ALARM SYSTEM, REFER TO THE INSTALLATION INSTRUCTIONS FOR THE CONTROL PANEL WITH WHICH THIS DEVICE IS USED.**

### FCC ID: CFS8DL6150RF-3

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.

### IC: 573F-6150RF3

### FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 15 STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user or installer may find the following booklet prepared by the Federal Communications Commission helpful: "Interference Handbook"

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402.

*The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.*

### LIMITED WARRANTY

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