

# DOORBELL

## INSTALL INSTRUCTIONS

The 2GIG-DBELL1-345 is a dual purpose doorbell that will work with both the standard 24V wiring in the house and wirelessly with the 2GIG Control Panel. It features a button that is fully water-resistant and remains illuminated when the 24V house doorbell wiring is used.

### Box Contents

- 2 wood screws
- 2 machine screws
- Doorbell sensor
- Install Instructions
- O-ring

### Programming

The following steps describe general guidelines for programming (learning) the sensor (2GIG-DBELL1-345) into the 2GIG panel. Scroll between options using the ← and → arrows. Move to the previous or next prompt by pressing the ↑ and ↓ arrows.

- 1 Select RF sensor # (01 to 48). Assign the Doorbell to a new zone.
- 2 Select RF sensor type.
  - (23) no response type (system will chime when the doorbell is pressed, but not trigger alarm)
- 3 Select RF equipment type.
  - (1) contact
- 4 Select RF sensor equipment code. Enter 1063 for the DBELL1-345 2GIG doorbell.
- 5 Enter RF sensor serial number (7 digits).
 

**Manual Entry:** Type in the last 7 digits of the TX ID that is found outside of the box or on the back of the device.

**Auto Entry:** With the panel in Learn-in mode (press Shift then Learn) press the doorbell button. The correct TX ID should appear. Accept the correct TX ID by pressing **ok**.

*Remember to press the ↓ arrow to continue going through the 2GIG system configuration prompts.*
- 6 Select RF sensor equipment age (0 to 1).
  - (0) new (product is new)
  - (1) existing (product already exists)
- 7 Select RF sensor 1 loop number (1 to 3).
  - (1) 1
- 8 Select RF sensor 1 dialer delay.
  - (0) disabled
- 9 Construct RF sensor voice descriptor. Press **Insert** then press any number between 002 and 255 to add a word. For example, if you wanted to name this doorbell as "front door," press **Insert** then press **098** for **FRONT**. Press **Insert** then press **058** for **DOOR**. Press ↓ to continue configuring the system.
- 10 Select RF sensor reports (0 to 1).
  - (0) disabled
  - (1) enabled
- 11 Select RF sensor supervised (0 to 1).
  - (0) disabled (sensor does not report loss of supervision)
  - (1) enabled (sensor reports loss of supervision)
- 12 Select RF sensor chime (0 to 13).
  - (0) disabled (panel will NOT chime when sensor is activated)
  - (1-13) enabled (selects a voice and chime to sound when sensor is activated)
- 13 To program another sensor click **next**.
- 14 To exit programming, click **skip** then **end** and **exit**. Upon exit, the panel takes a several seconds to reboot.

### Testing

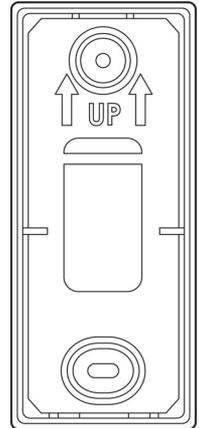
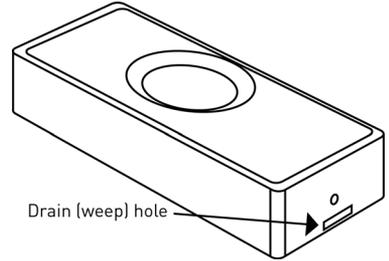
Before mounting the sensor, ensure that the sensor mounting location provides good RF communication to the panel. To verify, do the following:

- 1 From the **Installer Toolbox**, select **walk test**.
- 2 Press and release the doorbell button and listen for chime or keypad beeps to determine the appropriate response (refer to the *2GIG Control Panel Install Guide*).
- 3 Exit the **Installer Toolbox**.
- 4 (Optional after Installing and Mounting) Verify that the household 24V AC connection is working by pressing the doorbell button to ring the doorbell.

## Installing and Mounting

If possible, locate sensors within 100 ft (30m) of the panel. While a transmitter may have a range of 350 ft (106 m) or more out in the open, the environment at the installation site can have a significant effect on transmitter range. Although the doorbell has been designed to withstand weather, avoid mounting it in areas where it will be exposed to extreme moisture.

- 1 To remove the sensor cover, use your finger to press the tab. This disengages the clip holding the cover to the base.
- 2 (Optional) Pull the existing house 24 AC wiring through the hole if connecting the doorbell to existing 24V doorbell wiring.
- 3 Mount the 2GIG-DBELL1-345 using the orientation shown. Use the supplied Phillips wood screws to attach the base to the mounting surface. Ensure that the orientation arrows are pointed up (as shown).
- 4 Place the supplied O-ring around the perimeter of the base.
- 5 If available, attach the existing 24V AC household doorbell wiring to the board using the machine screws provided. If this step is skipped, the doorbell will work only with the 2GIG Control Panel and the LED will not illuminate.
- 6 Pull the battery tab out and discard tab properly.
- 7 Replace the sensor cover. Ensure that the drain hole is facing down. If the cover does not snap in place, it may be upside down.



# Inserting and Replacing Batteries

If a supervised sensor battery is low, a low battery notification will be indicated on the control panel screen. When the 2GIG system indicates that the sensor has a low battery, replace the battery immediately. Use only the recommended replacement batteries (See Specifications).

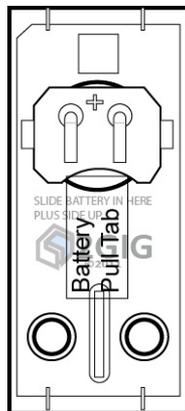
- 1 To remove the sensor cover, use your finger to press the tab. This disengages the clip holding the cover to the base.
- 2 Place a small flathead screwdriver in the slot between the metal clip and battery and push it out taking care not to scratch the battery terminal.
- 3 Insert the replacement battery with the + sign facing out.
- 4 Verify programming and RF communication with the control panel.
- 5 Replace the sensor cover to the base.

**WARNING:** The polarity of the battery must be observed, as shown. Improper handling of lithium batteries may result in heat generation, explosion or fire, resulting in personal injuries. Replace only with the same or equivalent type of battery as recommended by the manufacturer (see Specifications). Batteries must not be recharged, disassembled or disposed of in fire. Disposal of used batteries must be made in accordance with the waste recovery and recycling regulations in your area. Keep Away From Small Children. If batteries are swallowed, promptly seek medical attention.

**California Only:** This Perchlorate warning applies only to Manganese Dioxide Lithium cells sold or distributed ONLY in /California, U.S.A. Perchlorate Material-special handling may apply. See [dtsc.ca.gov/hazardouswaste/](http://dtsc.ca.gov/hazardouswaste/) perchlorate.

## Specifications

Wireless Signal Range	350 ft, open air, with 2GIG Wireless Control Panel
Code Outputs	Alarm; Alarm Restore; Supervisory; Low Battery
Transmitter Frequency	345.000 MHz (crystal controlled)
Transmitter Frequency Tolerance	±15kHz
Transmitter Bandwidth	24kHz
Modulation Type	Amplitude Shift Keying-On/Off Keying (ASK-OOK)
Unique ID Codes	Over one million different code combinations
Supervisory Interval	70 minutes
External Input Sampling Current	20 uA
External Input	24V AC Standard doorbell circuit
Sensor Dimensions (HxD)	2.75 x 1.17 x 0.63 in. (6.98 x 2.97x 1.60 cm)
Weight (including battery and magnet)	1.1 oz. (31.2 g)
Housing Material	ABS plastic
Color	White
Operating Temperature Limits	14° to 104° F (-10° to 40° C)
Relative Humidity	5-95% Non-Condensing
Battery (installed with pull tab)	One Panasonic CR2032 or equivalent Lithium batteries
Included Accessories	Four Phillips flat-head screws



## FCC and Industry Canada Regulatory information

This device complies with Part 15 of the FCC's 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.
- 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.

This product complies with FCC radiation exposure limits for an uncontrolled environment. Avoid operating this product at a distance less than 20 cm from the user.

**Caution:** Any changed or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## LIMITED WARRANTY

This 2GIG Technologies product is warranted against defects in material and workmanship for 2 years. This warranty extends only to wholesale customers who buy direct from 2GIG Technologies or through 2GIG Technologies' normal distribution channels. 2GIG Technologies does not warrant this product to consumers. Consumers should inquire from their selling dealer as to the nature of the dealer's warranty, if any.

There are no obligations or liabilities on the part of 2GIG Technologies for consequential damages arising out of or in connection with use or performance of this product or other indirect damages with respect to loss of property, revenue, or profit, or cost of removal, installation, or reinstallation. All implied warranties for functionality, are valid only until the warranty expires. This 2GIG Technologies Warranty is in lieu of all other warranties expressed or implied.

**For technical support in the USA and Canada:**

855-2GIG-TECH (855-244-4832)

**For technical support outside of the USA and Canada:**

Contact your regional distributor

Visit [dealer.2gig.com](http://dealer.2gig.com) for a list of distributors in your region.

PN 77-000004-001 Rev G