



## **I1000M Finish-Out Instructions**

Thank you for purchasing an Intrasonic Technology product. Our products are designed and built to provide you with years of high quality sound.

If you need assistance with the installation or operation of this product, please contact our Customer Support team at 1-877-435-0670 for assistance. You may also get information on this and other Intrasonic Technology products on our web site at [www.intrasonictechnology.com](http://www.intrasonictechnology.com)

## I1000M Finish-Out Instructions



### Safety Instructions

- ❑ To reduce the risk of electric shock, the I1000M must be installed by a qualified installer or dealer.
- ❑ Please read the instruction manual in its entirety before installing the I1000M.
- ❑ Please do not attempt to remove or repair the I1000M. Call a qualified installer or dealer.
- ❑ The apparatus shall not be exposed to dripping or splashing liquids. No objects filled with liquids, such as vases, shall be placed on the apparatus.

### Do's and Don'ts

#### Don'ts

- ✓ Expose to moisture
- ✓ Power up the system until all connections are completed
- ✓ Over tighten the screws for the master, room or patio stations
- ✓ Use un-approved products with the I1000M system
- ✓ Staple or splice cable
- ✓ Exceed more than 300 feet for each run of wire for the room, patio or door stations from the master

#### Do's

- ✓ Install by a qualified installer or dealer
- ✓ Use approved products with the I1000M system
- ✓ Check all cables for shorts, opens and cross wiring before operating system
- ✓ Label each cable

### Wiring

The I1000M installs with standard Cat5 cable. An RJ45 connector must be installed at both ends of each cable.

- Maximum length of each individual cable run is 300 feet for the room, patio and door stations from the master

### Maximum Number of Room, Patio and Door Station

The system is designed to handle a specific number of stations. At no time should more room, patio or door stations be installed than specified

- Maximum of 20 stations including room, patio and door

### 8-Ohm Speakers

The I1000M is designed to be used with most 8-ohm speakers. There could be a loss of speaker volume when high wattage speakers are used. It is recommended that you use 30 watt (RMS) high efficiency speakers. The use of speakers rated at less than 8-ohms could result in system damage.

## I1000M Finish-Out Instructions

### Tools Needed

- Wire stripper
- Wire cutter
- RJ45 crimp tool
- Phillips screw driver
- Cat5 cable tester

### Installing the Master

Locate the wall housing (I1000H) for the master. Cut the drywall on the inside of the wall housing as required. Connect the AM and FM antenna cables to the master tuner. Plug in the RJ45 connectors from the room stations, patio and door units. Note: You can plug these into any of the 20, RJ45 receptacles on the back of the master unit. There is no sequence or special place to plug these in. The system will read what you are plugging in and understand if it is a room, patio or door unit. Plug in the 110 volt plug on the master into the mating receptacle on the wall housing.

Secure the master to the wall housing with the 2 phillips screws provided. Do not **OVER TIGHTEN** these screws. Make sure not to pinch any wires while positioning the master into the wall housing. Snap the front panel over the front and secure in place with the 3 screws located along the bottom of the master.

Locate the breaker for the intercom system and turn it on. The system should power up and be operational at this point, if you have all room, patio and door stations installed.

### Installing Room Stations

Locate the 2 gang box for the room station. Remove the front panel of the room station by loosening the 2 screws located on the bottom of the front panel. Plug the RJ45 connector into the mating RJ45 receptacle on the back of the room station. If you are running ceiling or in-wall speakers off this room station, connect the wires to the "Speaker Out" terminals on the back of the room station and remove the jumper JP3. See **Exhibit 1**. Mount the room station to the 2 gang box with the 4 #6-32 screws provided. Do not **OVER TIGHTEN** these screws. Replace the front panel and secure in place with the 2 screws on the bottom of the front panel.

Repeat the above for all room stations.

### Installing the Patio Station

Locate the 2 gang box for the patio station. Plug the RJ45 connector into the mating RJ45 receptacle on the back of the patio station. If you are running outdoor speakers off this patio station, connect the wires to the "Speaker Out" terminals on the back of the patio station and remove the JP3 jumper. See **Exhibit 1**. Mount the patio station to the 2 gang box with the 4 #6-32 screws provided. Do not **OVER TIGHTEN** these screws. Insert the 4 plastic plugs provided into the 4 mounting screw holes.

Repeat the above for any addition patio stations.

### Installing the Door Station

Locate the 2 gang box for the door station. Align the door station gasket over the back of the door station. Plug the RJ45 connector into the mating RJ45 receptacle on the back of the door station. If you are installing a door release mechanism, refer to **Exhibit 2** for wiring detail. Using the 4 #6-32 screws provided, install the door station into the 2 gang box. Do not **OVER TIGHTEN** these screws.

## Installing and Setting the time Delay for the Door Release

Locate the door release unit and the single gang box for mounting this unit. Wire the door release unit in accordance with **Exhibit 2**.

- ❑ CN1 is used to update firmware, do not short any pins on this connector
- ❑ CN1 is an input port to receive digital signal from the door unit. This signal controls the “door open” function
- ❑ CN3 is the 12 volt AC power input
- ❑ CN4 is the relay contact output
  - “com” is the common pin of the relay
  - “N.C.” is the normally closed pin of the relay
  - “N.O.” is the normally open pin of the relay
- ❑ JP1 is the output delay setting for the “Door Open” function

<u>Jumper</u>	<u>Delay Time</u>
JP16S	16 Seconds
JP8S	8 Seconds
JP4S	4 Seconds
JP2S	2 Seconds
JP1S	1 Second

The output delay time is the sum of each jumper delay time.

With all jumpers installed  $1+2+4+8+16 = 31$  seconds

With jumpers 2+8 installed = 10 seconds

With jumpers 1+5 installed = 5 seconds

With all jumpers removed the delay time will be zero



## Intrasonic Technology 2 year Limited Warranty

Intrasonic Technology warrants its products to be free of manufacturing defects for two years from the date of closing or actual installation. This warranty only applies to products purchased from authorized dealers or distributors. If proof of installation cannot be supplied, the manufacturing date code may be substituted. This warranty extends to the original user or subsequent owner of the product during the warranty term. Intrasonic Technology will replace or repair the product at its option at no charge with a rebuilt or new product. All products with manufacturing defects must be returned to Intrasonic Technology.

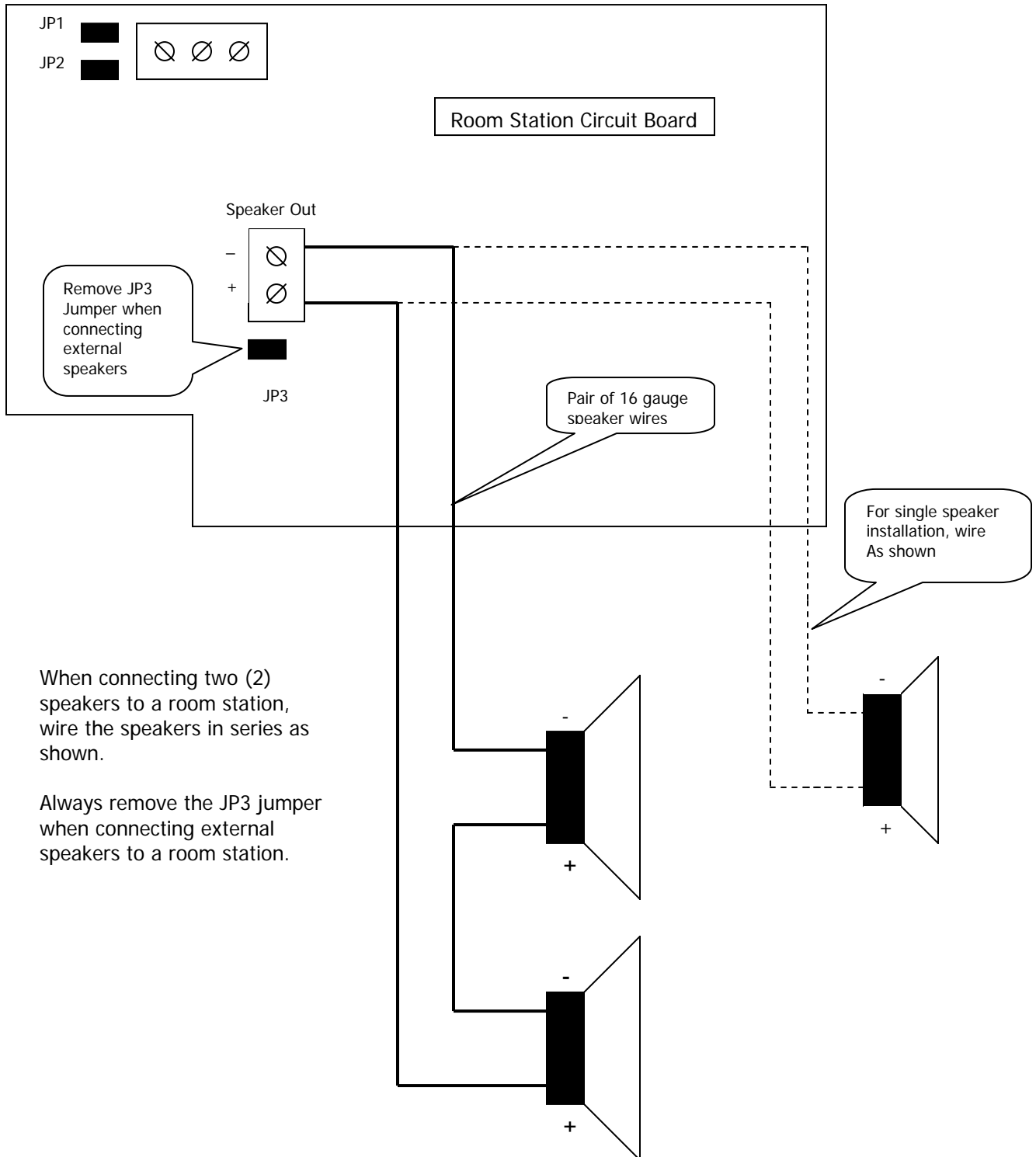
If an Intrasonic Technology product is determined to have a manufacturing defect, please call our toll free number (877-435-0670) before any attempt to dismantle or repair the product. Any attempt to dismantle or repair product will void the warranty.

A RMA (Return Material Authorization) number will be required prior to returning a product to Intrasonic Technology. To obtain an RMA number call our toll free number (877-435-0670) and speak with a customer service representative. All products returned to Intrasonic Technology without an RMA number will be refused.

The limited warranty is in lieu of any other warranties, expressed or implied and any other obligations or liability on the seller's part. The limited warranty does not cover service calls, damage caused by improper installations, acts of God or violation of building or electrical codes.

Intrasonic Technology will not be liable for consequential, incidental or damage arising in connection with use or inability to use this product. In no event shall Intrasonic Technology's liability hereunder exceed the cost of the product covered herein. No person is authorized to assume for Intrasonic Technology or obligate Intrasonic Technology for any other liability in connection with the sale of this product. Some states do not allow this exclusion or limitation of consequential, incidental damage, so the above limitation or exclusion may not apply. This limited warranty gives you specific legal rights and you may also have other rights, which may vary state to state.

Wiring External Speakers Off the Room Station



When connecting two (2) speakers to a room station, wire the speakers in series as shown.

Always remove the JP3 jumper when connecting external speakers to a room station.

Exhibit 2

Wiring the Door Release Unit and Mechanism

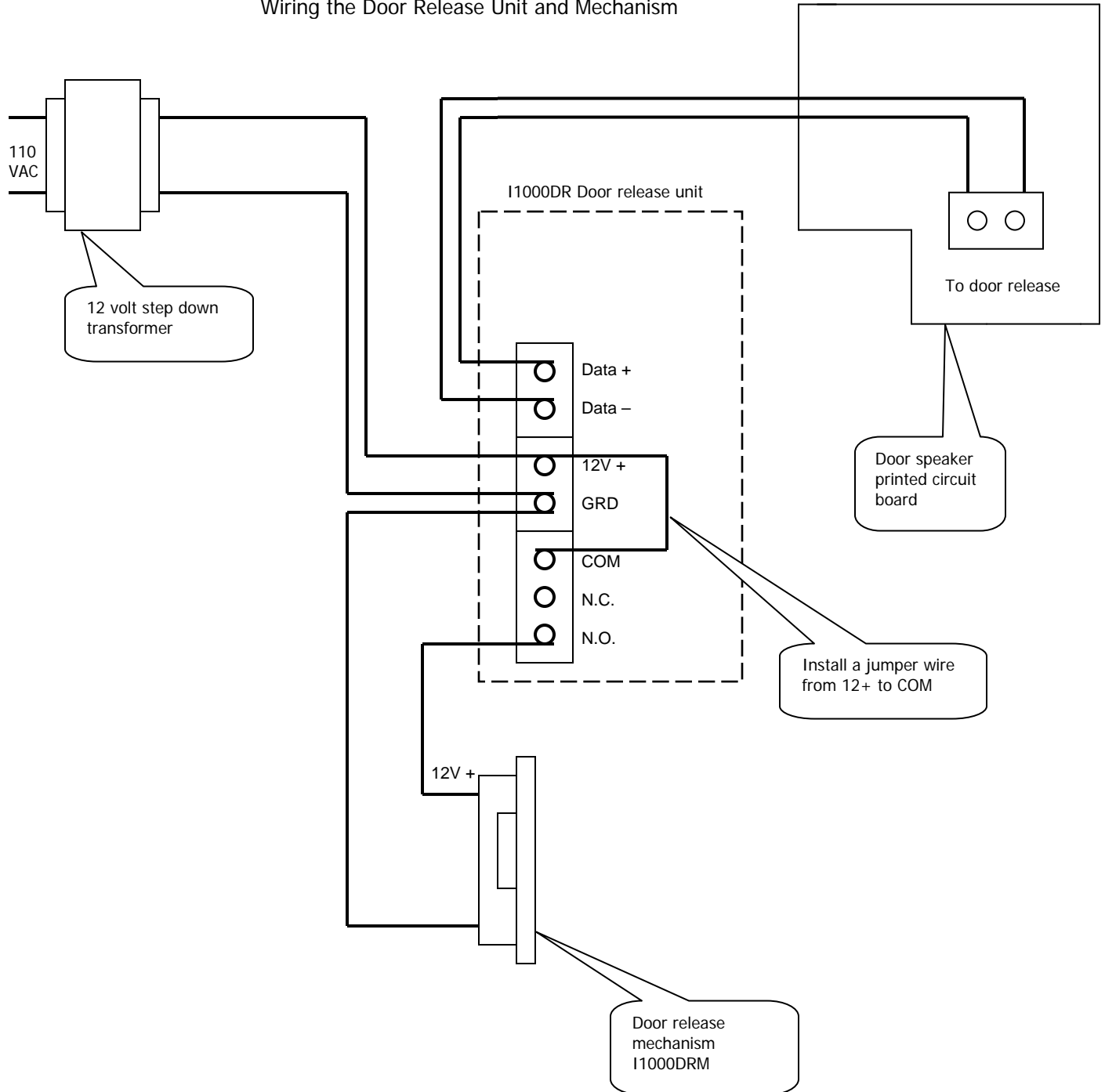


Exhibit 3  
Block Diagram of Door Release System

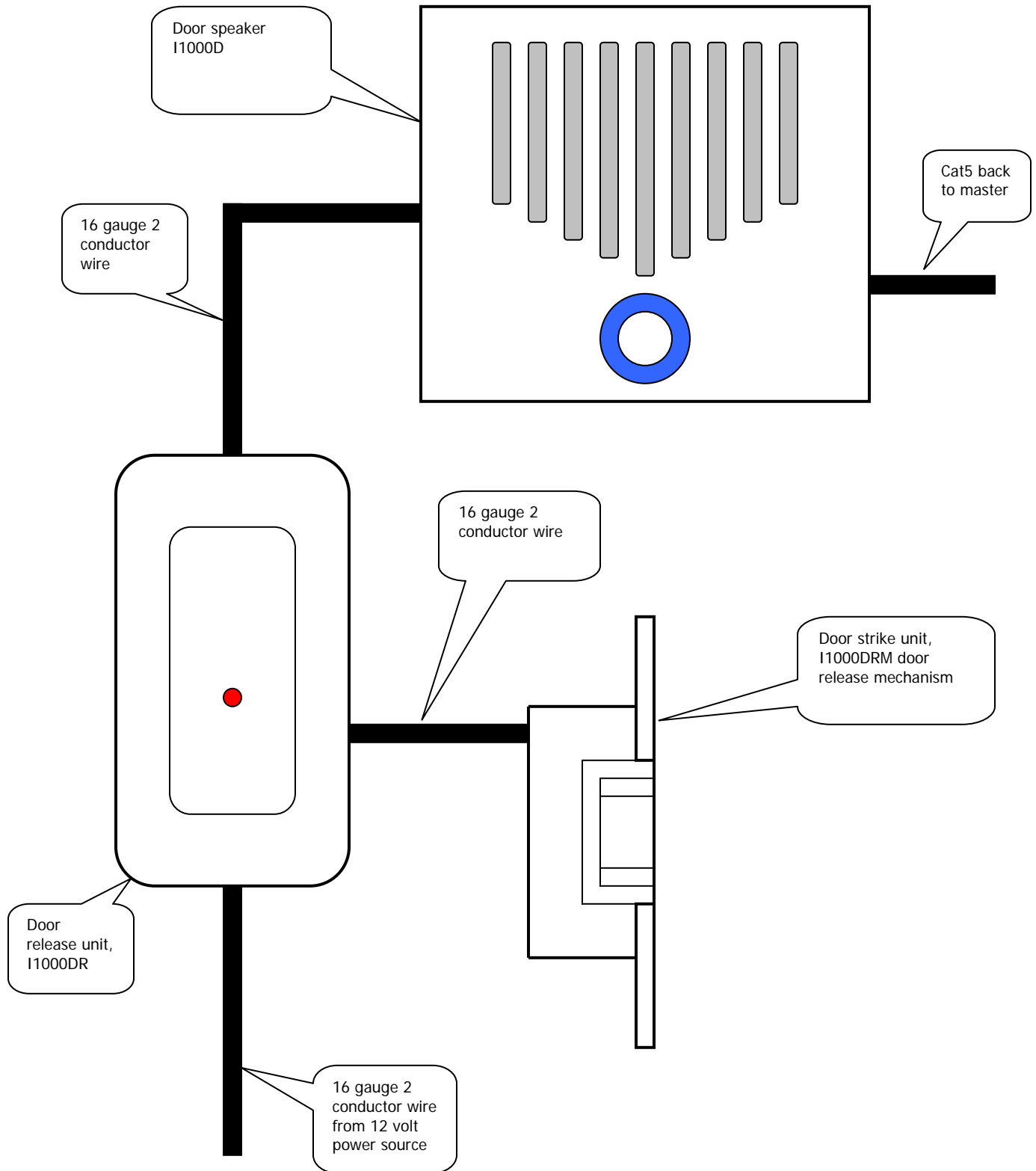
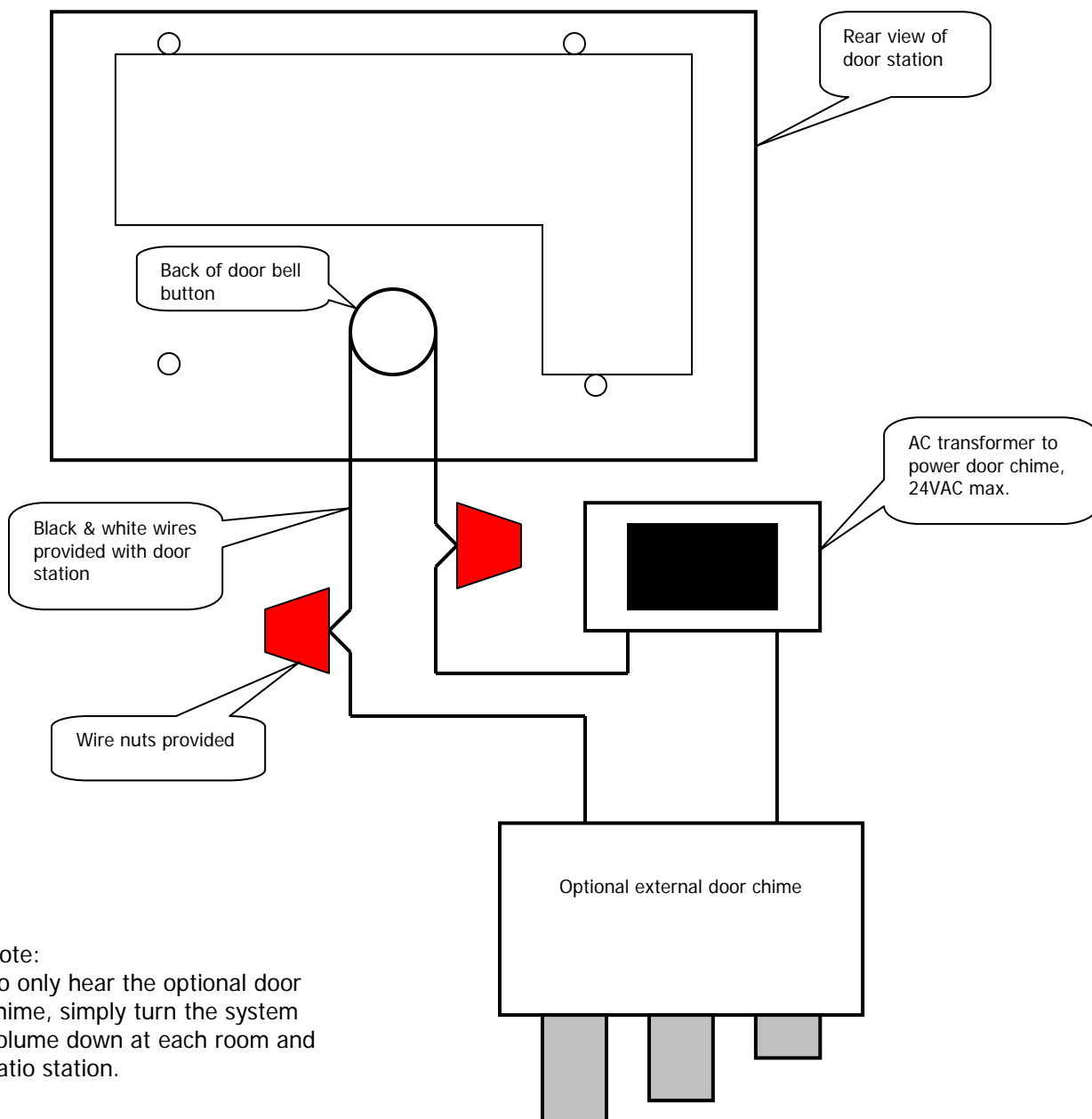


Exhibit 4

Wiring an External Chime to the Door Station



Note:  
 To only hear the optional door chime, simply turn the system volume down at each room and patio station.