iChime

"The Play Anything Doorbell"

INSTRUCTION MANUAL

Revision 2.0

I. INTRODUCTION

iChime can operate from 4 AA Alkaline Batteries or can be wired to a standard bell transformer so that batteries are not necessary. See the Installation section. However, if you wish to familiarize yourself with iChime operation before it is installed on the wall, batteries are required.

II. BATTERY INSTALLATION

First, remove the wall plate from iChime. Use one hand to hold the backplate and another to hold iChime. Slide iChime up and off its backplate. Then locate the battery compartment and remove the battery cover. Use fresh alkaline (not heavy duty) batteries, install according to the + and - markings, and replace the battery cover.

III. OPERATION

There are six categories of built-in factory recorded selections, and six user recording locations. Press **MODE** to choose either "Built-In Selections" or "User Recordings.

Figure 1 - iChime with cover opened

A) Built-In Selections

When **MODE** is set to Built-in Selections, choose the category by pressing the **SELECT** button until you hear the desired category name. After a category is chosen, each time the **PLAY** button (or the front doorbell button) is pressed, iChime will play the next sound or song in that category.

To play only one selection on every press, find the selection you want using the **PLAY** button, then press and hold the **PLAY** button again until you hear a short beep. If you want that selection to play twice (for a longer greeting) keep holding **PLAY** until you hear two more short beeps. That selection is now "locked in" and will be the only one played.

B) User Recordings

When **MODE** is set to User Recordings, you have your choice of six locations to record into. Each location can contain up to 45 seconds. Choose the location by pressing the **SELECT** button. If anything is currently recorded in that location, it will automatically play after the location number is announced. Pressing **PLAY** will play the recording again, or will beep if nothing is recorded. This is a safeguard so iChime will still act as a doorbell even if nothing has been recorded.

To record, press and hold the **REC** button until the red light next to it comes on, then speak or play the audio into the built in microphone (which is the small hole under the volume button). Release **REC** when you are done, then press **PLAY** to see how it sounds. Repeat until you have the recording the way you want it.

To delete a recording, press the **REC** button and release it within about ½ second.

C) Backdoor Button

The backdoor button will always play "**Beethoven's Fifth**" and cannot be assigned to any other built-in selection. You can however set iChime to play the user recorded audio that is contained in user location 6. *If user location 6 had been recorded*, each time the back door button is pressed the audio contained in user location 6 will be played.

D) Button Functionality

MODE Button: This is used to select between Built-In Selections or User Recordings. Pressing this button will toggle the selection and will also announce the current Category Name or User Location.

SELECT Button: Used to choose either the built-in Category or the User Location, depending on the chosen mode.

PLAY Button: Pressing **PLAY** auditions the sound that will be played when the front doorbell pushbutton is pressed. Each time this button is pressed the next sound in the group is played. In order to lock in a single selection press and hold **PLAY** until a beep is heard and the last sound that was played will always play when the front door button is pressed. Pressing and holding **PLAY** again or playing a selection from another category will cause iChime to revert to cycling through the selections.

REC Button: This button is only active when the unit is in the User Recordings mode. When this is the case, press and hold **REC** and audio will be recorded into the current location (1 of 6)*.* The Red light next to the button will come on during recording. Release **REC** to stop the recording.

VOL Button: There are four volume levels. Press the + or the - side of the **VOL** button to increase or decrease the volume..

MICROPHONE IN: The microphone input is the small hole under the **VOL** button.. It is used to make user recordings.
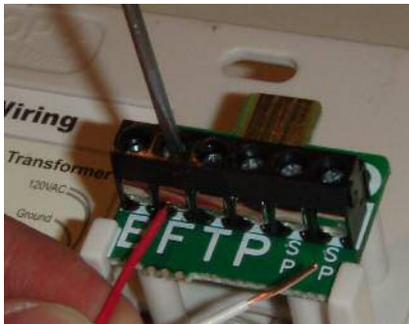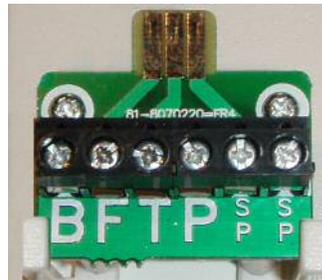
IV. INSTALLATION

Once you have familiarized yourself with iChime operation you are now ready to install the unit. The iChime product is compatible with doorbell systems that have a bell transformer as well as systems without a bell transformer. It is also compatible with lighted and non-lighted pushbuttons.

iChime comes with a backplate that attaches to the wall. The iChime product "slides" on to the backplate that provides the mounting and electrical connections. The iChime product may be mounted horizontally or vertically. Note that there are arrows depicting the top mounting position of the backplate for both horizontal and vertical mounting. Determine the orientation that is desired and mount the backplate on the wall using the 4 screw and anchors that are provided with iChime. Make sure that the wires protrude through the hole in the backplate so that the electrical connections can be made. Note that it is advised to mount the backplate on a flat surface and to positively attach all 4 screws to avoid vibration.

Become familiar with the electrical connections contained on the backplate.

B: Back door Button
F: Front door Button
T: Transformer
P: Pushbutton for non-transformer operation
SP: Auxiliary Speaker Connection
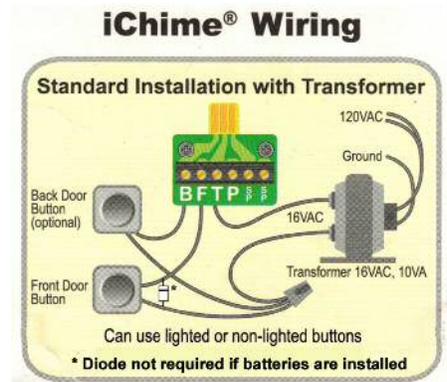SP: Auxiliary Speaker Connection

You will need a small Phillips or Blade type screwdriver to connect the wires. Loosen the screw and insert the wire as show in the figure. Tighten the screw and tug slightly on the wire to ensure that the connection is secure.
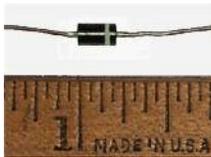
A) INSTALLATION WITH A TRANSFORMER

Follow the wiring diagram on the backplate. If your existing doorbell has two wires, install one wire to the "F" terminal and the other wire to the "T" terminal. To test, slide the iChime product onto the backplate and press the doorbell button.

If you have a backdoor button, follow the wiring diagram. In this case there will be three wires to connect: "F" "T" and "B".

If batteries are installed in iChime, you are done! Since so little power is required to operate iChime, the batteries will last for quite a long time. However, iChime can be exclusively powered by a transformer, In this case it is necessary to install a diode across the exterior pushbutton (at the front door). Even with AC power from a transformer, batteries can also be installed so that the chime will operate when it is removed from the wall mounting bracket.
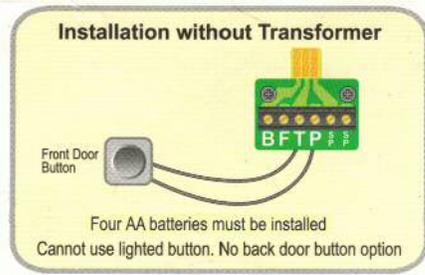

Typical IN4001 Diode

A typical diode (part number 1N4001) is pictured to the left, and is about 1/4" long with wires coming out of each end. The diode allows power to be supplied to iChime. A diode can be supplied for free with your purchase. The easiest way to install the diode is across the pushbutton terminals.

The diode needs to be installed on the back of the pushbutton out by the front door, as shown on the picture to the right. The diode is marked with a band on one side. The banded side of the diode has to be connected to the wire leading to the "F" terminal. If it is not possible to determine which wire goes to the "F" terminal it is OK to guess and test to see if the operation is as expected. Installing the diode backwards will not damage the chime or the diode. To install the diode, remove the front doorbell pushbutton from the wall, loosen the two screw terminals and wrap the wires from the diode around each one. Be careful to not let the wires on the diode touch any exposed metal parts. Then tighten the screw terminals and test the operation. After confirmation, reinstall the pushbutton to the wall.

B) INSTALLATION WITHOUT A TRANSFORMER

The iChime product does not require a standard bell transformer to operate. You can connect the doorbell pushbutton directly by connecting the wires to the "T" and "P" terminals. Follow the diagram located on the backplate.
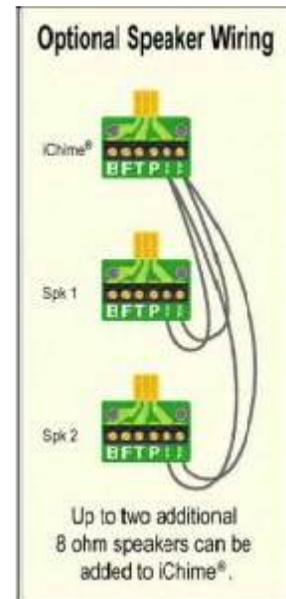
This type of installation is popular in motor homes and apartments, where there is usually no bell transformer installed.

In this type of installation, there can be no backdoor button and you cannot use a lighted front doorbell button

C) AUXILIARY SPEAKER

The amplifier in iChime will drive two additional auxiliary speakers. Note that wires will have to be routed from the iChime backplate to the desired location for the auxiliary speakers. Connect the wires to the terminals labeled "SP" as in the diagram.

The **VOL** button on the iChime controls the volume of all connected speakers.

V. TROUBLESHOOTING

Q: Why it will play a sound every 10 seconds.
A: This is a diagnostic that is indicating that the outside doorbell pushbutton is stuck in the closed position or the wires going to the doorbell pushbutton are shorted together.

Q: Why it will play "**Beethoven's Fifth**" every 10 seconds.
A: This is a diagnostic that is indicating that the outside doorbell backdoor pushbutton is stuck in the closed position or the wires going to the doorbell pushbutton are shorted together.

Q:. Why is it that when I press **PLAY** all I hear is a beep?
A: It is likely that the mode is set to User Recordings and that the current user location has not been recorded. The solution is to switch to the built-in selections or record a selection to be played.

Q:. I have a front & back door. The front works but the back does not, why?
A: It is possible that the "F" and "T" wires are not on the proper terminals. With a front door only button it does not matter which wire is connected to the "F" and "T" terminals. Since the back door button shares a common connection with the transformer it may be as simple as switching the wires on the "F" and "T" terminals.

Q: How do I select just one sound effect from the group?
A: Press and hold **PLAY** until a beep is heard. The last selection played will be locked in until either **PLAY** is pressed and held again or a selection from another category is played.

Q: How do I select just one sound effect from the group and play twice?
A: Press and hold **PLAY** until 2 beep is heard. The last selection played will be locked in until either **PLAY** is pressed and held again or a selection from another category is played.

Q: When I press and hold **REC** the red light does not come on, why?
A: Make sure the mode is set to User Recording, by pressing the MODE button.

SPECIFICATIONS
- Batteries: 4 x AA Alkaline batteries
- Speaker: 8 ohms, 3 Watts
- Dimensions: 5" x 7 ¾ " x 2"
- Mounting: Horizontal or Vertical
- Supports up to two 8 ohm Auxiliary Speakers

BUILT-IN SOUND LIBRARY

Built-In sounds are grouped in six categories. The default sounds are shown below. The actual sounds in your unit may differ from this list.

CHIMES:

Westminster 1, Arpeggio Bells, St. Michaels, Ding Dong 1, Westminster 2, Ding Dong Song, Whittier Chimes; Ding Dong 2

HOLIDAY:

Good King Wenceslas, O Christmas Tree, Jingle Bells, Joy to the World, We Wish You a Merry Christmas, Carol of the Bells, Deck The Halls

HALLOWEEN:

Sneaky Organ Music, Scream with Music, Sinister Laugh & Music, Beethoven's Fifth, Witch "Come in", Woman Screaming, Thunder, Wolf Howl, Witch Cackle, Butler Answers Door

FAVORITES:

La Cucaracha, Dixie, Yankee Doodle, Call to the Post, Reveille, The Marine Hymn

FUN SOUNDS:

Dog Bark, Hello Hello Hello, Rooster, "I'll Get It!", Cuckoo Clock, Cow Moo, "Some Ding-A-Ling", Horse Whinny, "Someone at the Door!", Duck Quack, Jazzy Music, Siren then Police Arriving, Vicious Dog Bark

SPECIAL OCCASIONS:

Pomp & Circumstance, Happy Birthday, Wedding March, Auld Lang Syne , Happy Anniversary, Star Spangled Banner, Valentine's Song