

## DoorBell Phone Installation and Operation

Congratulations on your purchase of the DoorBell Phone. You will enjoy your 21<sup>st</sup> century doorbell for years to come. This system will provide you with a simplistic installation procedure and easy operation, bringing security and convenience to your life. This system can work on a regular telephone line with an incoming line, or it may be used as a stand-alone unit. It is also compatible with multi-line, PBX, Hybrid or keysystems.

The DoorBell Phone control unit requires connection to only one incoming line and one door station. A second door station may be added to the controller to operate another entryway. Please take a moment to read this installation guide, it will help in making your installation process a smooth one.

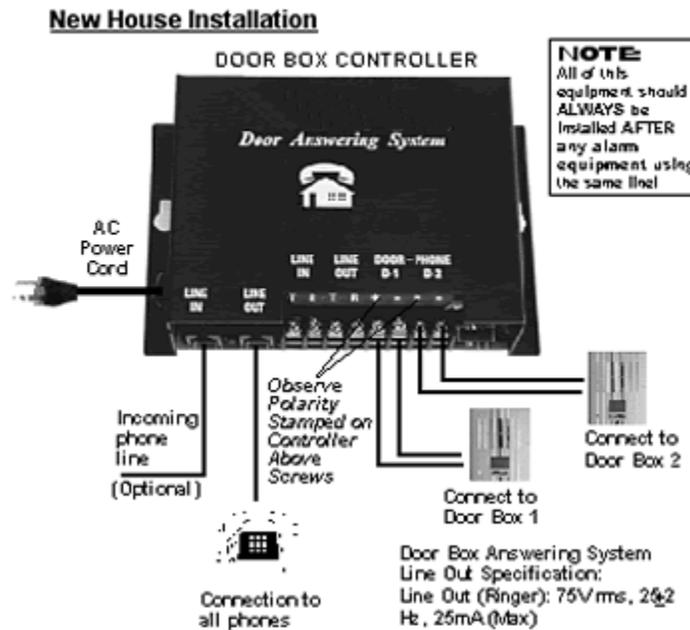
Enclosed in this kit you will find:

- 1- controller
- 1- door station
- 1-User guide
- 1-Warranty registration card

### *Connection of your DoorBell Phone controller (black box) See figure to the right*

Locate where you telephone line (from Telephone Co.) enters the premises. This is where you will connect the black box. This device needs to be installed in series on your telephone line as the first device, \*(if you have an alarm system, then the alarm needs to remain first with the controller following in series). You will need to cut the line that you are putting the controller on. Once cut connect the end coming

from outside of the premises to the **LINE-IN** position. (You may use either the modular jack or screw terminals. Both operate in parallel) Connect the other end of the line to the **LINE-OUT** position. Now you may mount the controller in a desired location. The controller will need to be installed between where the telephone lines enter the premises and the point of distribution of your telephones.

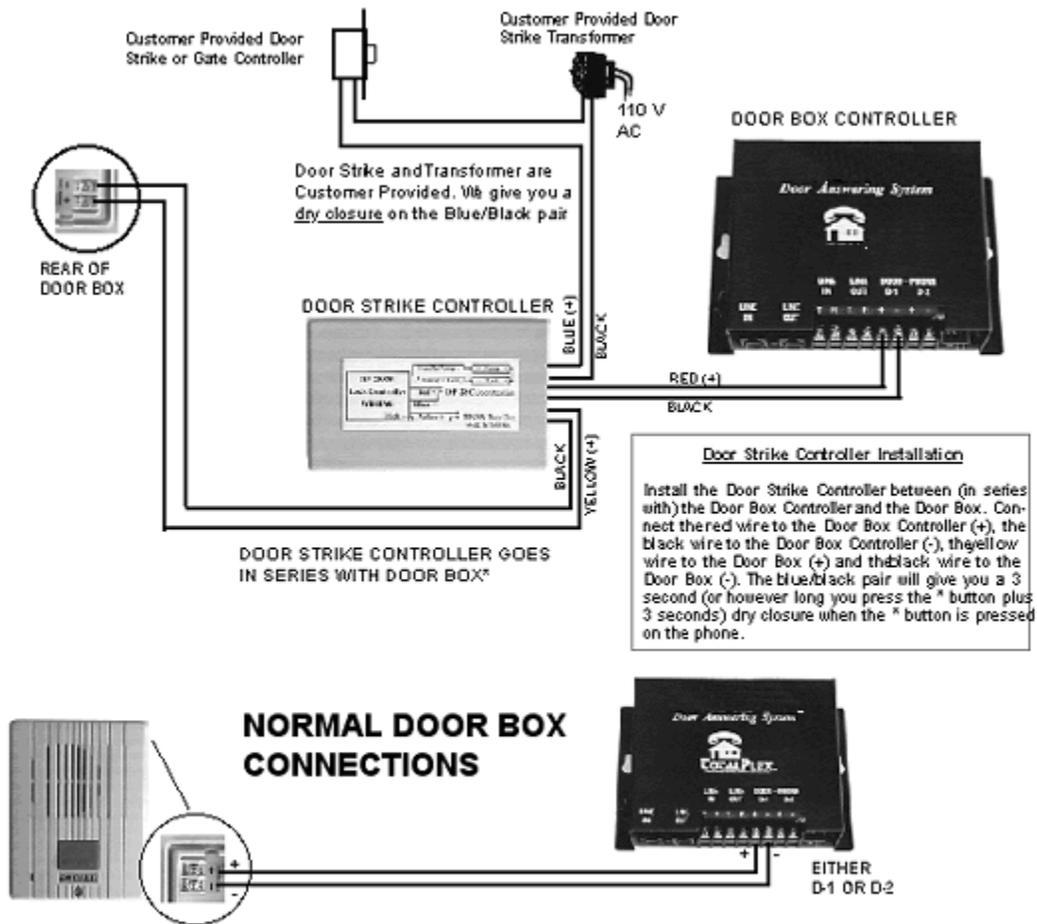


#### NOTES:

1. Your customer may prefer the sound of the ring on Door 2 (D-2). There is no problem using either door connection.
2. You can put 4 Door Boxes on each input. You can also series 4 Door Box Controllers together for a total of 8 Zones and 32 Door Boxes
3. If the polarity is wrong to the Door Box, the unit will ring, but there will be no voice and the Door Box LED will not glow at all.
4. Shorting the pair going to the door will cause the unit to ring, and will not damage anything. This means you can mount the unit overhead, or somewhere where you can't press the Box's button - using the existing door bell button to short the pair.
5. If you are installing LINE-OUT to a telephone system, you will lose the Distinctive Ring between Door 1 & 2, since you will then hear the phone system's ring when the button is pushed. You could purchase a Tone Generator which would allow you to send the ring from the door over the customer's existing paging system.
6. Optional chips are available which will let the unit ring more, or fewer times.
7. The polarity between LINE-IN and LINE-OUT is reversed. If you notice something strange about the operation of the unit, try reversing the pair (T & I at LINE-OUT).

**Connection of your DoorBell Phone doorbox (see figure below)**

Find desired location of where to mount the doorbox. Remove the screw on bottom of doorbox. This will remove doorbox from mounting bracket. Mount in desired location. Connect positive and negative screw terminals on back of doorbox to wires running to controller. Once you have run wire to you controller you may connect to either D1 or D2 position. Both provide a different ring, test them for preference.



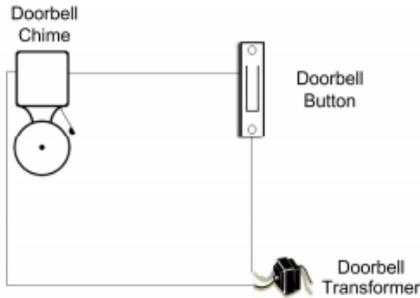
**Power up your DoorBell Phone**

Once your connections are secure you may power up the unit by plugging the controller cord into a 110v outlet. Once unit is powered up the LED light on the doorbox should light up. You should now be able to test unit. By pushing on the button on the doorbox the connected telephones should ring. If you experience any problem, please refer to the trouble shooting section.

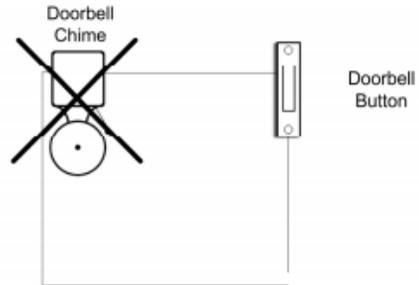
**Please note:**

If you are installing the DoorBell Phone using existing doorbell wires please refer to (see figure below) for a how-to-diagram.

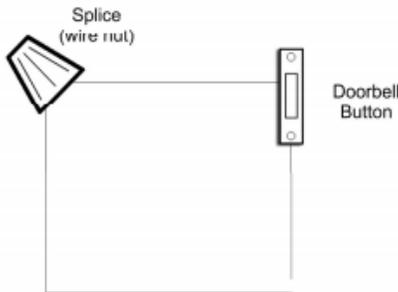
## How to use Existing Door Bell wires in a House Installation



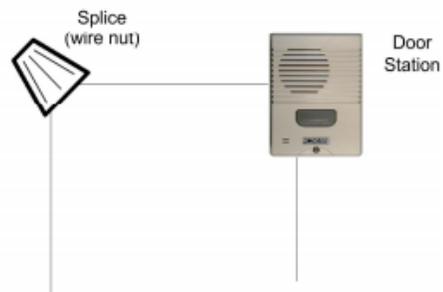
**Step 1:** Locate the doorbell's transformer. Disconnect the low voltage wires from the transformer.



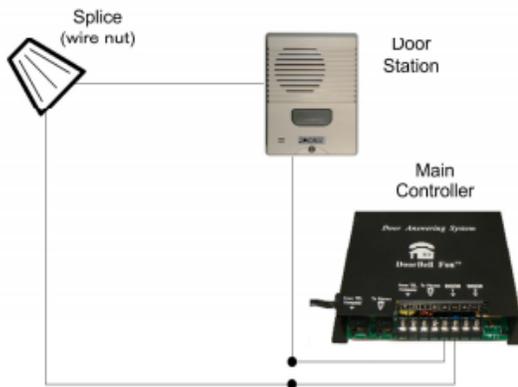
**Step 2:** Go to the existing doorbell and disconnect the wires. Splice the 2 wires together.



**Step 3:** Remove the existing doorbell button. Replace it with the Door box using the same 2 wires. Note which wire you connect to (+) and (-).



**Step 4:** Go back to the transformer location. Splice a pair of wires to the wires taken off of the transformer, and run it to where you are mounting the Door Box Controller. Note that you need an AC outlet and access to the phone line where you install the Controller.



**Step 5:** Connect the wires from the Door Station to "Door 1" or "Door 2". Connect the incoming phone line to "From TEL. Company". Connect "To Phones" to the phones. Plug the power cord into the outlet. You will hear a "click" sound and connected phones will ring when the controller is activated.

## Operating Instructions

Please read over the Q & A section to help you with the normal operation of this product.

***"How will I distinguish if it a regular telephone call or my door?"***

The DoorBell Phone will ring the telephones with a distinctive ring for each of its entryways. Both the D1 & D2 position will sound differently from a regular telephone call.

***"How do I answer the door or gate?"***

Simply pick up your telephone. You will be automatically connected with the doorbox. Even if you have 2 doorboxes connected just pick up the telephone the controller will determine which doorbox is calling.

***"What if I pick up the telephone after it has stopped ringing?"***

The DoorBell Phone will ring through 3 ring cycles. If you miss picking up the phone during those rings, there will be approximately 20 seconds available for you to pick up the telephone and be automatically connected to the doorbox. If you pick up the telephone and you hear a dial tone, just hit the flash key or hook switch your telephone and you will be connected to the doorbox. (*There are optional 1 or 8 ring chips available*)

***"What if I am on the telephone when someone comes to the door?"***

The DoorBell Phone has built in call waiting? If you are on the telephone and a visitor pushes the doorbox button you will hear a distinctive call-waiting tone. You can place the call on hold by pressing the flash key or hook switching your receiver. This will place the call on hold and transfer you to the doorbox. When you are done talking to the door you can transfer back to your call by pressing the flash key or hook switching back.

***"Will the DoorBell Phone affect my answering machine?"***

The DoorBell Phone will not affect the operation of you answering machine. However you may use your answering machine to answer your door or gate. The DoorBell Phone will ring your telephones through a 3-ring cycle. You can set your answering machine to answer on 2 rings and leave messages for your visitors, as well as let them leave messages for you from your door.

***"Can the DoorBell Phone open my door or gate from me?"***

Yes, with the purchase of an *Outbound trigger relay* you can trigger any type of electrical device from the (\*) key on your telephone.

***"How many telephones can I connect to the DoorBell Phone?"***

There is no specific number of telephones. The amount will be based on the REN (Ringer Equivalency Number) of all the devices on your telephone line. The maximum operating range for the DoorBell Phone is 4.6-5.0. You can calculate this number by looking at the labeling on the bottom of your telephones, caller ID units and answering machines. If you exceed the maximum allowed number then you may need a ring booster. You can contact ACNC customer service for further information.