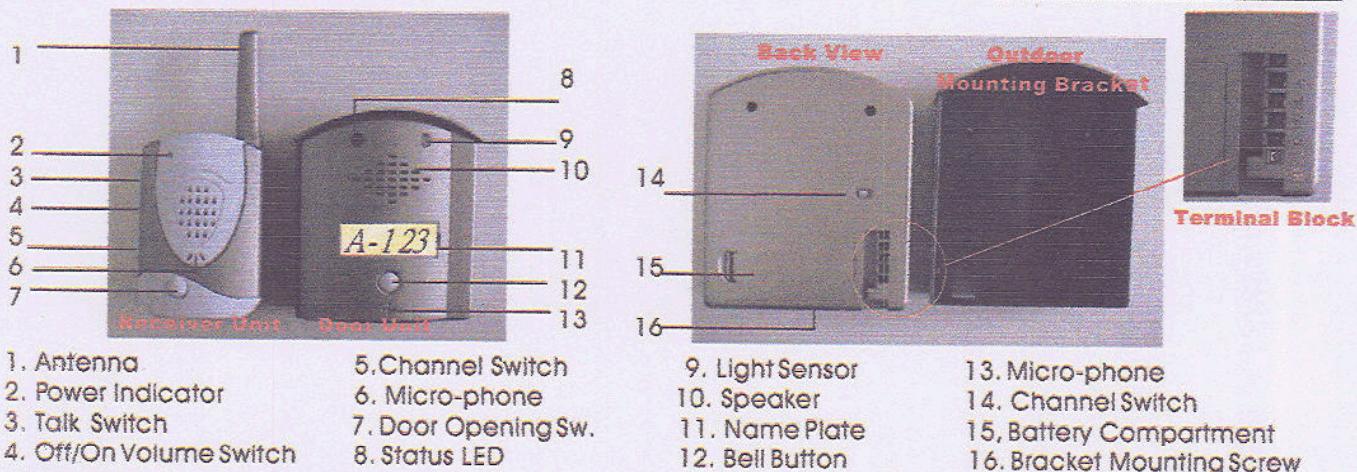


# User Manual: DB-016

## Wireless Simplex 2 way Talk Back Door Phone System

**Sales argument: User Friendly, Unique design.. No power consumption while the Door unit at stand by mode. Make sure who is outside before open the door ! Suitable for apartment and house. Build in relay for door opening ... No need to go outside in the bad weather.**

### Product image



### Operation

1. Please open the battery compartment of the Sender unit and Receiver unit.
2. Insert and connect the 9 Volt battery (not included) into battery clip of both units and close the battery doors.  
Important: Receiver unit could use alkaline battery or rechargeable battery. MUST set the battery selection switch to the correct position as marked "Alk = Alkaline, Re = Rechargeable"
3. Select the channel through the channel switch (5) (14) to the same position.  
Important: Sender unit and Receiver unit must be at the same channel
4. The Outdoor unit provide a terminal block for bell transformer (DC 8 - 12V) connection. Wire the transformer wire to the correct position as marked "+" and "Ground Symbol"  
Important: 9 Volt battery is for backup function only. System must use with the DC power from the bell transformer.
5. Fixed the Outdoor Mounting Bracket on the wall by the provided screws.
6. Insert the Outdoor unit inside the Mounting Bracket and fix both parts by the "Bracket Mounting Screw" (16)
7. Turn on the Receiver unit by the On/Off/volume switch (4).

Simplex 2 way voice communication:

8. Push the bell button (12) on the outdoor unit. It will light up the status LED in green colour.
9. It will send radio signal to the receiver unit and activated the "ding dong" sound at the receiver unit.
10. Outdoor status LED (8) will change the colour while the conversation. (Orange = wait and listen, Green = talk)
11. You could talk with the outside visitor by push and hold the "talk switch" (3) on the receiver unit. The status indicator will change to Green colour while you talking.  
Hits: when you push the "talk switch" give it 0.5 second to switch the outdoor unit to receiver mode before you talk.
12. Release the "talk switch" then the receiver unit will change to listening mode. You could listen the visitor voice. (Indoor unit could talk to the visitor at any time by push and hold the "talk switch".)  
Receiver Status LED will change the colour from Green to Orange. (Orange = wait and listen, Green = talk)
13. Visitor could answer back to the indoor unit and make hands free conversation.  
Time Limit: The door unit is always at stand by mode until visitor push the "bell button" (13). Then it will activate for 60 seconds. (The conversation time could adjust to longer or shorter depends on buyer request.)

### Door Opening

DB-016 build-in the door opening function (for the electric door only).

14. Hold the "talk Switch" (3) and push down the "Door Opening Sw." (7) at the same time, then it will send the door opening signal to the door unit to release the relay contact.

Important: The outdoor unit provide the dry contact output with NC / NO.. Please check your door style and make the correct connection for this function.

### Night Light

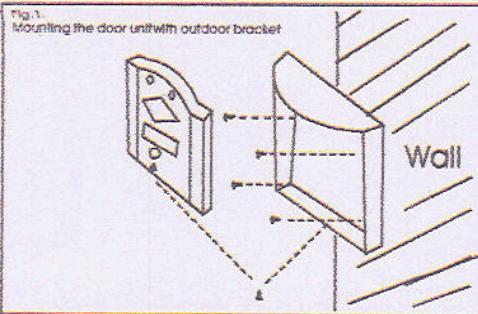
DB-016 build-in night light function, it will light up the name plate (11) automatically while it comes dark.

Important: this function only will activate when the door unit connected with the bell transformer.

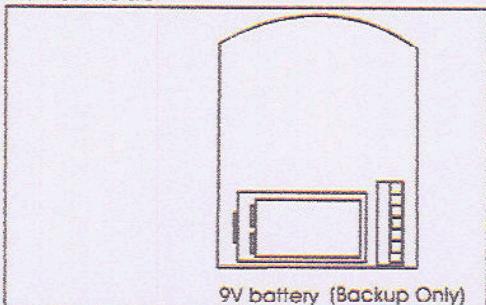
### Specification

1. Frequency: 49.860/49.890 MHZ
2. Battery: 9V alt battery
3. Range: >100ft

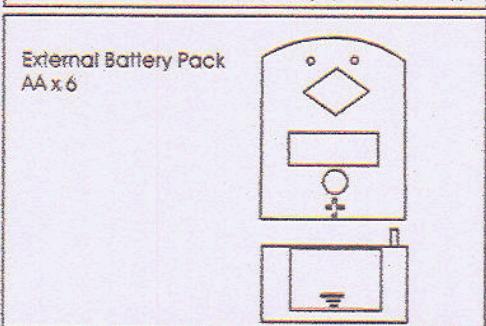
### Installation Drawing:



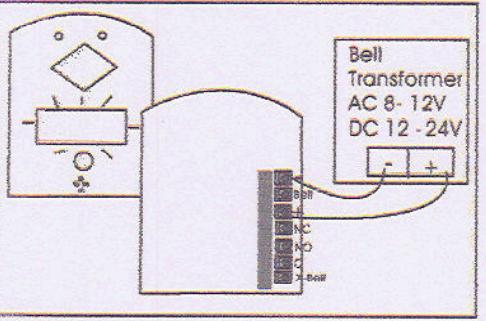
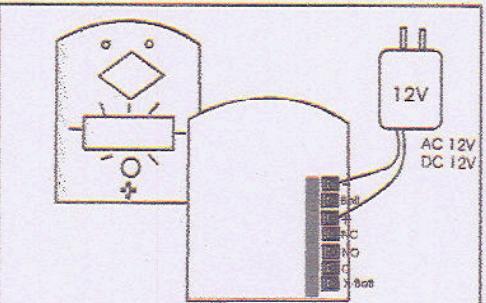
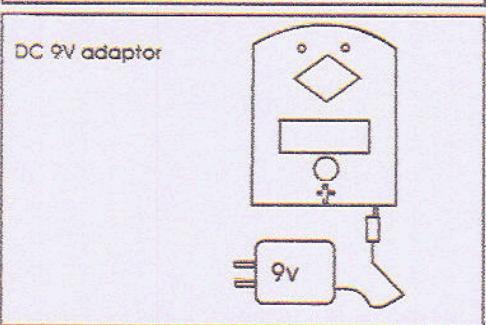
### Power Mode



### External Battery Pack AA x 6

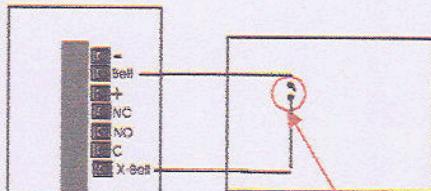


### DC 9V adaptor



### Connect with existing Door Bell System

#### Terminal Block

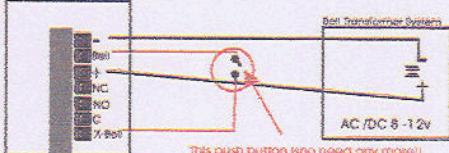


Take off the original push button. Connect to Bell and X-bell.

System could connect to all existing bell system. Take off the original doorbell push button and connect the contact wires to Bell and X-bell position of the terminal block. When push on the DB-016 sender unit, it will activate the existing door bell system at the same time.

#### Fig 6 Connection with existing doorbell button with AC/DC transformer power

#### Terminal Block

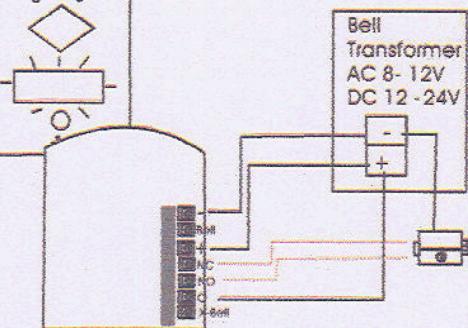


Connect DB-016 with your existing Bell Transformer system.

1. Take off the original bell button. You will see 2 wires come from the bell transformer.
2. Make sure the wires priority of “+” and “-”
3. Wire the Transformer “+” to terminal block with “+” symbol.
4. Wire the Transformer “-” to the terminal block with “-” symbol.
5. Connect the contact wires of the original push button to the terminal block marked with “Bell” and “X-bell”
6. Now, DB-016 was powered by the bell transformer. (DC battery only for backup.)
7. Push the “bellbutton” of DB-016 once, it will activate the existing door bell and DB-016 wireless system at the same time.

8. In case, cannot get the power from the bell transformer, DB-016 need to work with the external battery pack!

#### Fig.4 Connection with electronic doorlock



only NC or NO need to wire to the locking system. Please check and make sure your system is Normal Close (NC) or Normal Open (NO) before install.

## INSTRUCTION TO THE USER

This equipment has been tested and found to comply with the limits for a 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.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.