



**CA-1010
MULTIPLEX
INTERCOM SYSTEM
OPERATING
INSTRUCTIONS**

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OPERATION INSTRUCTIONS FOR THE CA-1010 INTERCOM

MIRCOM'S CA-1010 system is a unique "All-Master" intercom system which has been designed to fulfil all the inter-communications needs of a modern household.

UNIQUE FEATURES

***All-Master Control**

From each station, you can selectively call any other station in the system. Every intercom feature is available on each station

***Remote Monitoring**

A station in the nursery can be placed in the monitor mode from another station without having to go to that particular station. You will be able to listen-in on the baby without accidentally waking the baby by opening the door. Or you can monitor the kids as they play unattended in the recreation room.

***Door Release**

Any room station can remotely open the front door or gate by pressing the door release button.

***Selectivity on ALL room stations**

Each station is capable of selecting either privacy, monitor, auxiliary music or intercom mode.

INTERCOM CONTROLS

- 1. VOLUME CONTROL** The volume control will enable you to adjust the level to your listening pleasure.
- 2. STATION KEYPAD** The keypad enables the user to make, cancel, answer or prevent any type of intercom call
The keypad can perform the following operation for the station;

- 3. MICROPHONE** Highly sensitive microphone enables hands free operation.
- 4. PRIVACY** No calls will be received at this station when this light is on.
- 5. MONITOR** The green light will illuminate when this station being or is monitoring another station.
- 6. INTERCOM** If more than two independent conversations are taking place in the system, the yellow light will illuminate. The yellow light will caution you that the system is currently used at its full capacity.

AUXILIARY MUSIC SOURCE

Alternate music source can be connected to the CA-1010 system. Example: Tape decks, Compact disc etc. Connect the alternate music source to AUX terminals labelled R, L and GND (input signal > 120mV) on the CA-1010 terminal board. To listen to the auxiliary music source press ***** , **1** on the station's keypad. Repeat to turn music off.

INTERCOM FUNCTIONS

ONLY MIRCOS CA-1010 SYSTEM CAN PERFORM EACH OF THE FOLLOWING FUNCTIONS AT EVERY INDOOR STATION

TO MAKE A CALL TO A PARTICULAR STATION

PRESS **#** , THEN THE TWO DIGIT STATION NUMBER. The called station will receive a ringing tone. The person being called will be able to answer hands-free. The person calling will press the **◀ 4** button when they talk and release the button to listen. The station will automatically hang up if the person does not talk after a 15 second period. The hang up prior to the factory-set period of 15 seconds. press the ***** **0** buttons.

EXAMPLE:

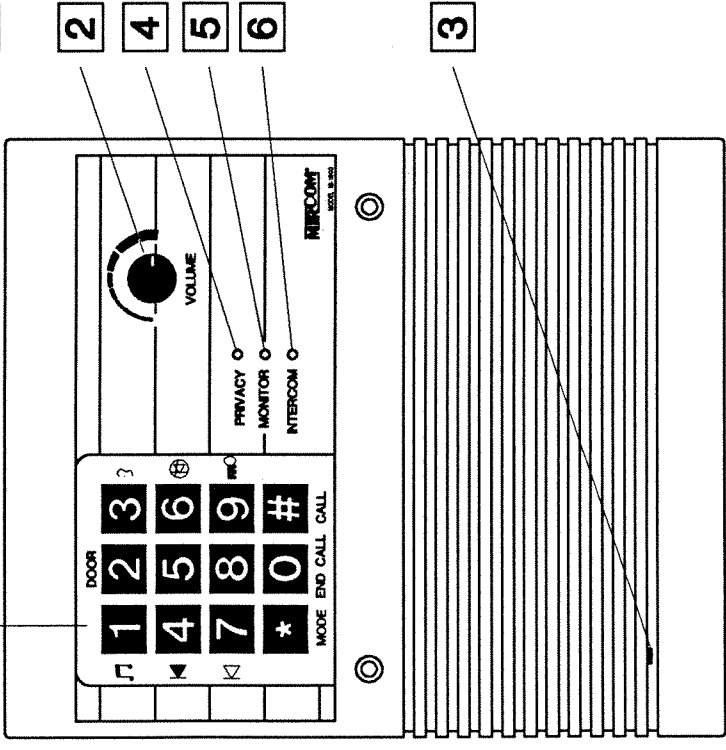
If the living room had a room station assigned to number 08, you would do the following:

To **CALL**, press **#** then **0 8**

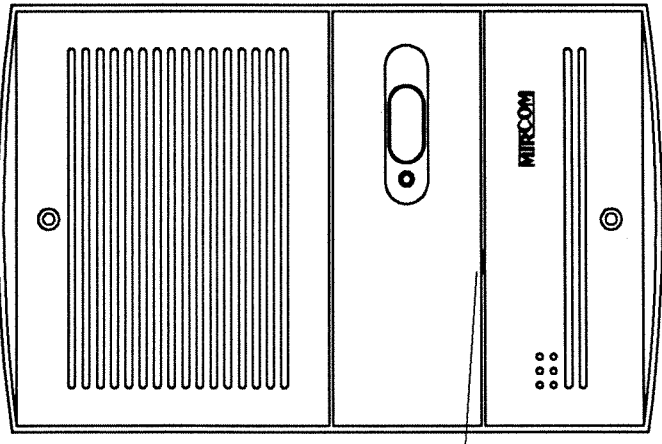
To **TALK**, press **◀ 4** , release to listen









CA-1000 System Features

IS-1000A Room Station



OS-1004 Door Station OS-1005 OS-1006



- a) Privacy  prevents any incoming calls.
- b) Monitor  allows listening into any other room station.
- c) All-call  you can make a paging announcement.
- d) Music  allows auxiliary music to be heard at this station.
- e) Talk  used to talk to another station.
- f) Door  used to respond to a door call.
- g) Call  used whenever you wish to call another station.
- h) Control Access  after responding to a visitor's call you can remotely open the door if an electric door control option is connected.

If you receive a busy tone calling and the red privacy light flashes, the person you are calling has their station on privacy mode and doesn't wish to be disturbed.

The yellow INTERCOM light will flash three times if the station you are calling is busy or when the system is being used to its full capacity. The system can have two independent conversations taking place simultaneously. A person can talk to someone in the basement while another person can talk to someone in one of the other bedrooms.

RESPONDING TO A CALL

A ringing tone is heard at a station whenever someone is calling. Immediately after the ringing tone the person can respond hands-free without having to drop whatever they are doing.

PAGING AN ANNOUNCEMENT

To make an **ALL-CALL** announcement press *****, then **⏪** **7**. While holding down the **⏪** **7**, wait momentarily for the ringing tone to be sent to all the room stations, then page your announcements. The door stations will not transmit your announcement.

PAGE ANNOUNCEMENTS WILL AUTOMATICALLY MUTE THE AUXILIARY MUSIC SOURCE.

RESPONDING TO A DOOR CALL

Each door station has a distinguishable door chime. To answer press ***** then **2** you will immediately hear the person at the door station. To respond, press **⏪** **4**, and release to listen. A pre-set intercom period will automatically reset the system after 15 seconds of conversation. To manually cut-off communication, press ***** then **0**. A door station can be also called the same way as an inside station.

Front Door	= Two note chime, repeats three times	= station 14
Back Door	= Two note chime, repeats two times	= station 15
Side Door	= Two note chime	= station 16

NOTE: All stations in the privacy mode and stations being monitored will not hear the door chime

It is therefore possible by listening to the chime to distinguish which door the visitor is calling from.

MONITORING

The system can monitor up to three room stations simultaneously or, conversely, three room stations can monitor one room.

EXAMPLE:

Press * , [3] , # then the station number __

Repeat the procedure to monitor two other stations.

To monitor a station from separate rooms, perform the above sequence at each station.

To cancel the monitoring press * , [0]

Room stations monitoring or being monitored will have their green monitor light illuminated

NOTE: The MASTER Room Station(02) cannot be monitored

PRIVACY

To prevent any incoming calls or door chimes, you can place your station into the privacy mode.

EXAMPLE:

Press * , [6] [H]

To cancel the privacy mode just repeat the above steps

When a station is in the Privacy mode the red light will illuminate. Another room station calling a station in the privacy mode will receive a busy tone and a flashing Privacy light. The Auxiliary Source can be listened to even if the station is in the privacy mode.

CONTROL ACCESS

Each room station is capable of opening a controlled access point (e.g. electric gate, front door with an electric door strike, etc.)

After receiving a call from a door station the following procedure will trigger the controlled access point.

EXAMPLE:

Press * , [9] [M] after receiving a door call

If the optional door release feature is connected, the door strike will trigger for 5 seconds.

NOTE: This function will only work after the door chime is triggered by an outside door station.

INTERCOM DURATION SETTING

Each intercom conversation is limited to 15 seconds after a person making the call has finished talking. The person replying has 15 seconds to respond. Pressing the **TALK** button re-starts the intercom period. By cutting a yellow jumper on the main board of the CA-1010 unit, you can increase the intercom period to 30 seconds.

MASTER ROOM STATION

A room station connected to terminals marked 2D and 2V on the CA-1010 will be the Master room station. A Master room station gives a person the ability to monitor or call another person's room, no matter what the status the person's room station is in. *Remember, a regular room station will not be able to call another room station in the privacy or monitor mode.* A Master room station cannot be monitored. Only one Master room station is available per system.

The Master room station has the provision to over-ride any remote room station. To activate this feature the following sequence must be performed:
EXAMPLE:

Remote station 04 is in the privacy Mode.

- Press **#**, **3**, *****, **0**, **4** sequentially.
- Unit will flash the red Privacy light momentarily to inform you the station being monitored is in the Privacy mode. Wait a couple of seconds and the unit will monitor the station being called.