

I1000M Operation Manual

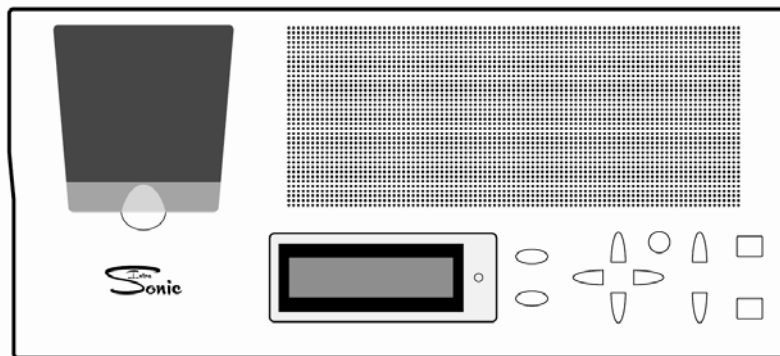




Table of Contents

<u>TOPIC</u>	<u>Page</u>
Cover	1
Table of Contents	2
Safety	3
FCC	3
Introduction	4
System overview	5
Operation controls	6
Docking station	6
K1/K2 buttons	6
Volume up/down buttons	6
Audio on/off button	6
Up/down & left/right buttons	6
Privacy	6
Listen button	6
Talk button	6
Unlock the door	6
Remote control	6
Master Settings	
Clock	7
Register all stations	7
Assigning numbers to room, patio & door stations	7
Changing numbers at the room station	8
Assigning names to room stations	8
Selecting the door chime	8
Door volume	9
Master display brightness	9
Setting privacy at the master	9
Mode	10
Setting the mode for the master, room or patio	10
AM/FM Radio	10
Setting radio presets	11
Changing input sources	11
Switching between AM and FM radio	11
Set treble and bass	12
Auto on	12
Auto off	12
Room and patio operation	13-14
Source	15
Set	15
Privacy	15
Backlight	15
Talk	15
Door Talk	15
Hands free listening	16
Unlock door from master and room	16
Remote Control	16 – 17
Trouble shooting	18
Warranty	19



Safety

Please read all instructions carefully before installing the I1000M music communication system.

All components of the I1000M music communications system must be installed by a qualified installer, installation must conform to all local building and electrical codes.

- A. Read These instructions.
- B. Keep these instructions.
- C. Heed all warnings.
- D. Follow all instructions.
- E. Do not use this apparatus near water.
- F. Clean only with a dry cloth.
- G. Do not block any ventilation openings, install in accordance with the manufacturer's instructions.
- H. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- I. Only use attachments and accessories specified by the manufacturer.
- J. Do not expose to moisture. This can cause shock hazards or create fire and void the warranty.
- K. Do not service this product yourself. Attempting to service this product may expose you to high voltage and will void the warranty. Please contact a qualified local dealer for service.
- L. Any substitutions of non-Intrasonic Technology products may result in electrical shock or other hazards.
- M. The apparatus should not be exposed to dripping or splashing of liquids. No objects filled with liquids, such as vases, should be placed on the apparatus.

FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions; (1) this device may not cause harmful interference, and (2) this device must accept ant interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.

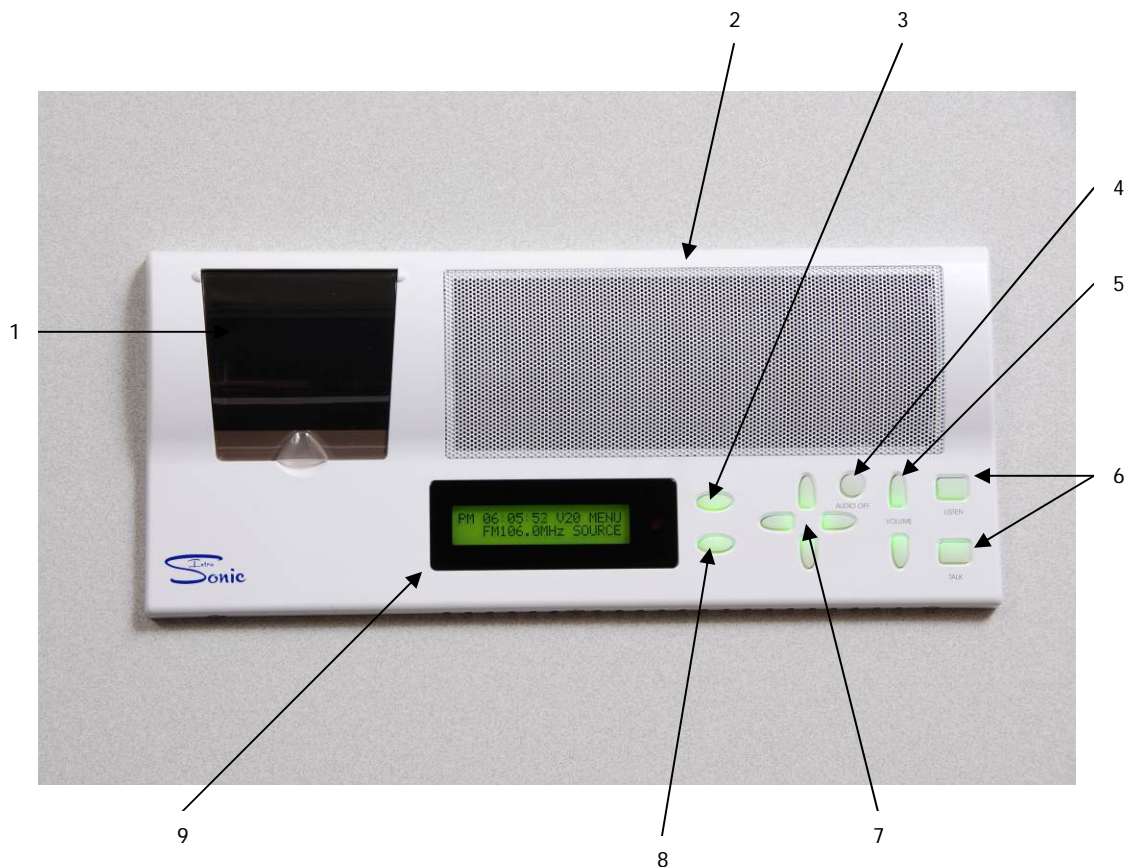
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate 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 on and off, 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 which the receiver is connected.
- Consult with the dealer or an experienced radio technician for help.

Master Station

INTRODUCTION

The I1000M is a Music and Intercom system that integrates with today's portable music players, with a modern look that compliments any décor. It's a multi sourced system which allows you to select between three music sources. You can listen to your own home entertainment through the auxiliary input throughout your home. The I1000M not only allows you to use your portable hand held players throughout your home, but offers you the comfort and convenience of communication and room monitoring as well. With features like Automatic Selective Call and a full function remote control, it is convenient to use and offers exceptional value.



1. Integrated docking station for hand held music players
2. Speaker
3. K1 button
4. Audio on/off button
5. Volume up/down buttons
6. Listen and talk buttons
7. Left/right and up/down arrow buttons
8. K2 button
9. LCD display

System Overview



I1000M Music Communications System is made up of 5 components.

- ❑ Master unit
- ❑ Room stations
- ❑ Patio stations
- ❑ Door stations
- ❑ Auxiliary input wall plate (maximum one per system)

Master Unit

The I1000M Master unit allows control of the music and intercom functions. It enables you to set the system music and intercom volume levels, bass and treble levels for the radio, clock settings, privacy settings and more. The integrated docking station allows you to play any portable music source at the master. External 30 watt 8 ohm ceiling and in-wall speakers (optional equipment) can be connected directly off the master station for improved sound quality. The master allows you to play music from the radio, local line source (3.5mm jack) and the auxiliary input wall plate.

Room Station

The I1000R room station is designed for indoor use. It will provide intercom, radio and input for any portable music source. You can communicate and monitor other stations including the master. Door communications can also be answered from room stations as well as the master and patio. External 30 watt 8 ohm ceiling and in-wall speakers (optional equipment) can be connected directly off any room station for improved sound quality. The room station allows you to play music from the radio, it's local line source (3.5mm jack) and the auxiliary input wall plate. Note: When the Master has the Local/Broadcast switch set to BROADCAST, the room station Line input will play the music plugged into the master docking station, but when the Master Local/Broadcast switch is set to LOCAL, the room station Line input will receive music from the Auxiliary wall plate.

Patio Station

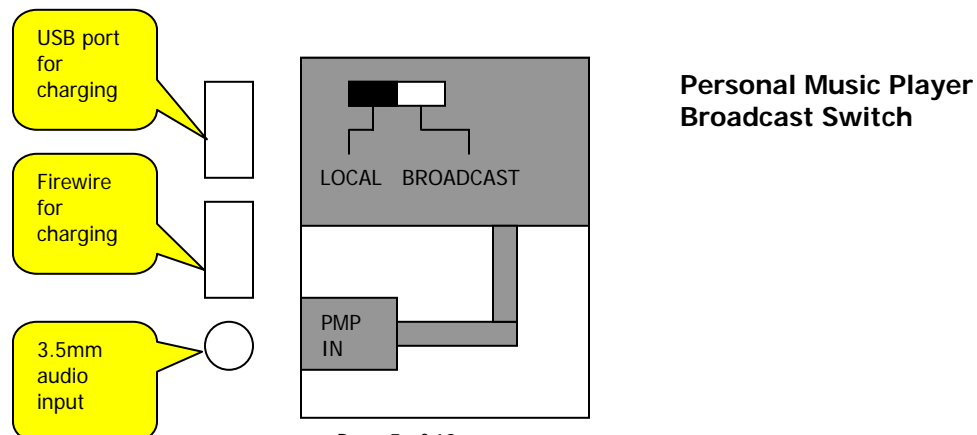
The I1000P outside station is weather resistant. It is designed to require only minimal protection from the weather. The patio station can provide intercom communication and radio music. The system door chime will sound at the patio station so guests will not be missed.

Door Station

The I1000D door station is designed to require only minimal protection from the weather. It will allow communication with the master, room and patio stations and verify who is there before opening the door. With the optional door release mechanism, the door can be unlocked from any room of the home that has a room station installed.

Auxiliary Input Wall Plate

The AUXWP wall plate allows the input of most music sources into the system and broadcast music to any room or patio that has a system station. This source can be a CD changer, portable music device or optional radio device. Note: There can only be one Auxiliary Input Unit installed per system.



Operation Controls



Integrated Docking Station (Personal Music Player Broadcast Switch)

Located on the left side of the master, behind the plastic door. Plug any hand held music device into master docking station by using a 3.5mm plug from the hand held device. The hand held device can also be charged by plugging it into the USB or firewire port provided in the docking station. Most hand held devices will fit inside the docking compartment along with all the cables. Select **Local** and the music will only play at the master, select **Broadcast** to have the music play to all room and patio stations.

Note: With the changing technology, we can not guarantee all handheld music players will charge in the USB or firewire port.

K1/K2 Buttons

The K1/K2 buttons are located just to the right of the LCD display on the master. These keys are multi-functional that are used in conjunction with the LCD display. This allows programming of names, setting time and many more functions.

Volume Up/Down Buttons

The up/down volume buttons control the volume of the master unit.

Audio On/Off Button

The audio on/off feature is used to conveniently turn the system music ON or OFF at all units simultaneously. This does not affect the intercom function.

Up/Down and Left/Right Buttons

These buttons are designed for multi functions such as the following features;

Up/Down Buttons

- Scrolling the menu content
- Changing the AM/FM tuner presets
- Changing characters

Left/Right Buttons

- Moving the display cursor
- Changing the radio frequency

Privacy

The privacy feature will prevent the station from being monitored. This feature is to ensure privacy at the location.

Listen Button

The listen button is used for hands free operation for the receiving side of the call. By pressing and holding the listen button the hands free operation will activate.

Talk Button

The talk button is used to communicate with room, patio and door stations. Door communication will only be heard at the door station that rang. After the talk button is pressed (this is an all broadcast) and once the responding station has pressed their talk button within 25 seconds, the selective call feature is activated. This means all stations not on this call will return to the music they were listen to before the first call.

Unlock the Door

The unlock door feature allows you to unlock any door from the master or room unit. Only the door you are in communication with, will be unlocked. This optional feature is only available when installed.

Remote Control

The remote control can perform many features including activation of the talk and listen functions. And you can selectively call a room or patio by using the station number or unlock the door when this feature is installed.

MASTER SETTINGS



Clock

To set press K1 for **MENU**

Use the up/down arrow buttons to scroll through the menu until **SYSTEM** is displayed

Press **PROG** K2 and use up/down arrow buttons until **SET CLOCK** is displayed and press K2 **PROG**

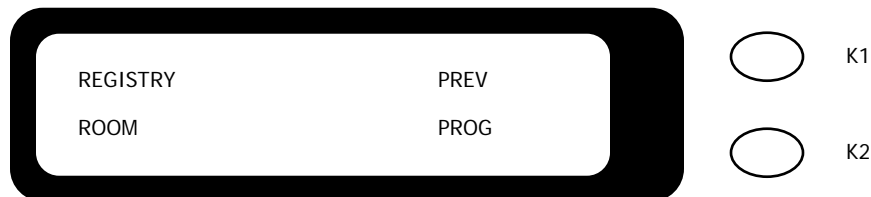
The * will be next to the 12H or 24H, use the up/down arrow buttons to select 12 or 24 hour clock

Press the left/right arrow buttons to set the * next to the AM or PM mark, use the up/down arrow buttons to select AM or PM

Press the left/right arrow buttons to set the * next to the hours, use the up/down buttons to set the hours to the correct time

Press the left/right arrow buttons to set the * next to the minutes, use the up/down buttons to set the minutes to the correct time

Press K2 **ENTER** to exit clock setup



Register All Stations

Before you can take advantage of all the features that the I1000M offers, you will need to register all units.

Press K1 for **MENU**

Scroll through the system using the up/down arrow buttons and select **PROG** with K2

Scroll the registry using the up/down arrow buttons and select **PROG** with K2

Select the stations you would like to register using the up/down arrow buttons and pressing K2 for **ENTER**. For example

You can select to register all the room stations by selecting **REG ROOM**

After pressing K2, **ENTER** the system will automatically count the available room stations connected to the system

Repeat these steps for the patio and door stations



Assigning numbers to Room, Patio and Door Stations (at the master)

Press K1 button and scroll the menu using the up/down arrow buttons. Select **ROOM UNIT** and press **ENTER** K2

Scroll the up/down arrow button until you reach the station you want to assign a number to. Press the K2 button **PROG**.

The I1000M will automatically assign a number to the room unit. You can change this number by selecting **PROG** K2.

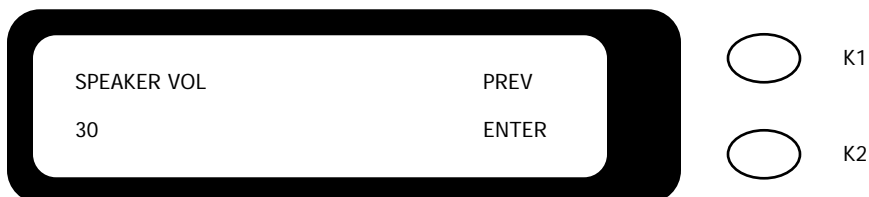
The display will indicate **SET NO**. Select **PROG** by pressing K2.

Use the up/down arrow buttons and the left/right arrow buttons to assign the number of your choice.

Press **ENTER** button K2

Repeat these steps for all room, patio and door stations

This process is more easily done at each individual station, see **Changing Numbers at the Room Stations**



Door Volume

Press K1 for **MENU**

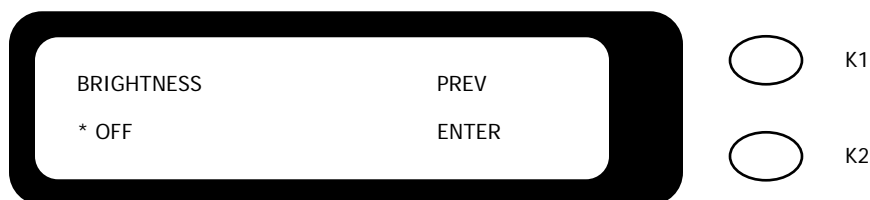
Scroll to **DOOR UNIT** option using the up/down arrow buttons, select **PROG** with the K2 button

Using the up/down arrow buttons scroll to the door station and select **PROG** with the K2 button

Using the up/down arrow buttons scroll to **SET VOL** and select **PROG** with the K2 button

Using the up/down arrow buttons change the volume level to the desired volume and select **ENTER** with the K2 button

Note: This will only change the intercom volume at the door station



Master Display Brightness

Press K1 button for **MENU**

Scroll to **MASTER** using the up/down arrow buttons and select **PROG** with the K2 button

Using the up/down arrow buttons scroll to **BRIGHTNESS** and select **PROG** with the K2 button

Using the up/down arrow buttons choose between **OFF**, **LOW** or **HIGH** brightness

Select **ENTER** with the K2 button



Setting Privacy at Master

Press the K1 button for **MENU**

Scroll to **MASTER** option using the up/down arrow buttons and select **PROG** with the K2 button

Using the up/down arrow buttons scroll to **SET PRIVACY** and select **PROG** with the K2 button

Using the up/down arrow buttons scroll between **ON** or **OFF** and select choice by pressing **ENTER** with the K2 button

Selecting **ON** will enable the privacy mode at the master only.

MODE

The mode will tell the master, room or patio what functions to activate. There are six (6) mode settings that may be chosen. Normal mode is considered the standard setup.

1. Normal – Intercom with music
2. Intercom Only – Intercom only with no music
3. Music Only – Music only with no intercom
4. Monitor – Monitor with no music or intercom
5. Monitor (OR) – Monitor override gives the ability to talk into a monitored room
6. Off – This turns off all modes



Setting the mode for Master, Room or Patio

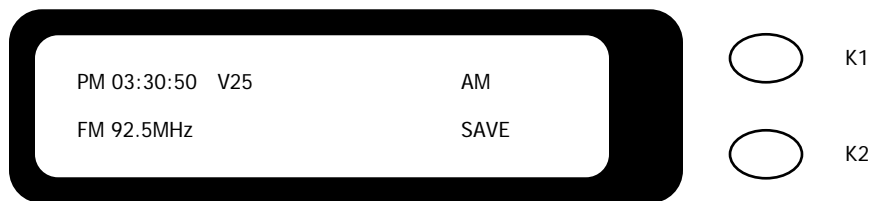
Press K1 button for **MENU**

Scroll to **MASTER** using the up/down arrow buttons and select **PROG** with the K2 button

Using the up/down arrow buttons scroll to **SET MODE** and select **PROG** with the K2 button

Using the up/down arrow buttons scroll the mode settings and select **ENTER** with the K2 button for your choice

Repeat these steps choosing **ROOM** or **PATIO** to select different modes at individual room and or patio stations.



AM/FM Radio

Selecting a radio station at the master

Manual Scan

Press left/right arrow buttons for scanning manually

Auto Scan

Press left/right arrow buttons and hold for two (2) seconds for auto scanning

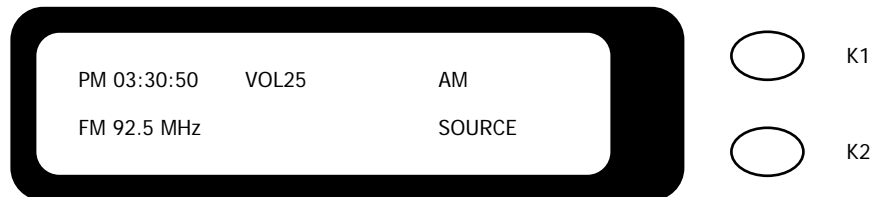


Setting Radio Presets

Press left/right arrow buttons until the desired station has been reached

Press K2 to **SAVE** this station

Select the preset number with the up/down arrow buttons and select **ENTER** with the K2 button



Changing Input Sources

Press the K2 button for **SOURCE**

This will display the next available source in the lower right corner of the display

Press the K2 button to select the next available source and repeat until the source desired is displayed on the lower left side of the display



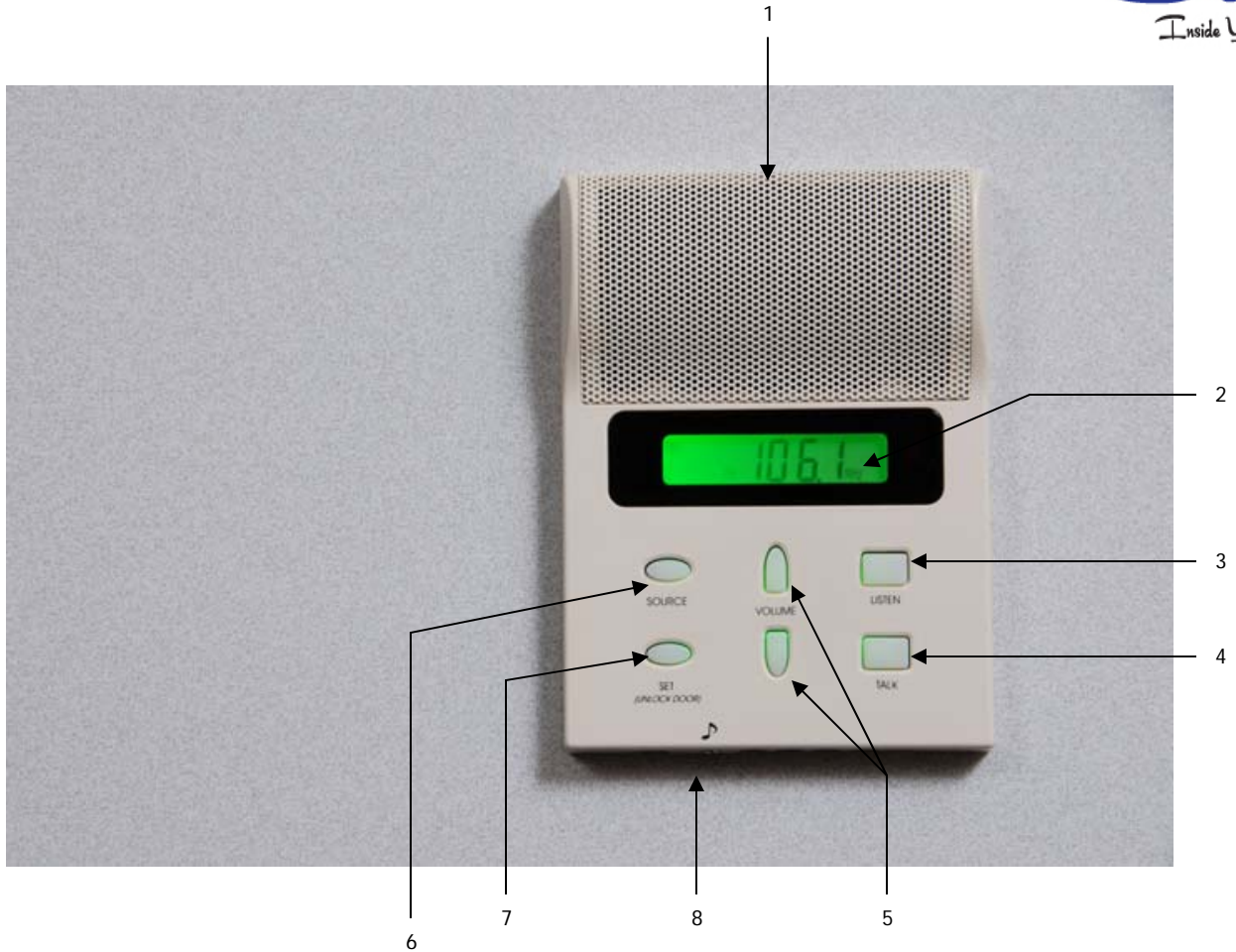
Switching Between AM and FM Radio

Press K2 for **SOURCE**

This will display the next available frequency (**AM** or **FM**) in the top right corner of the display

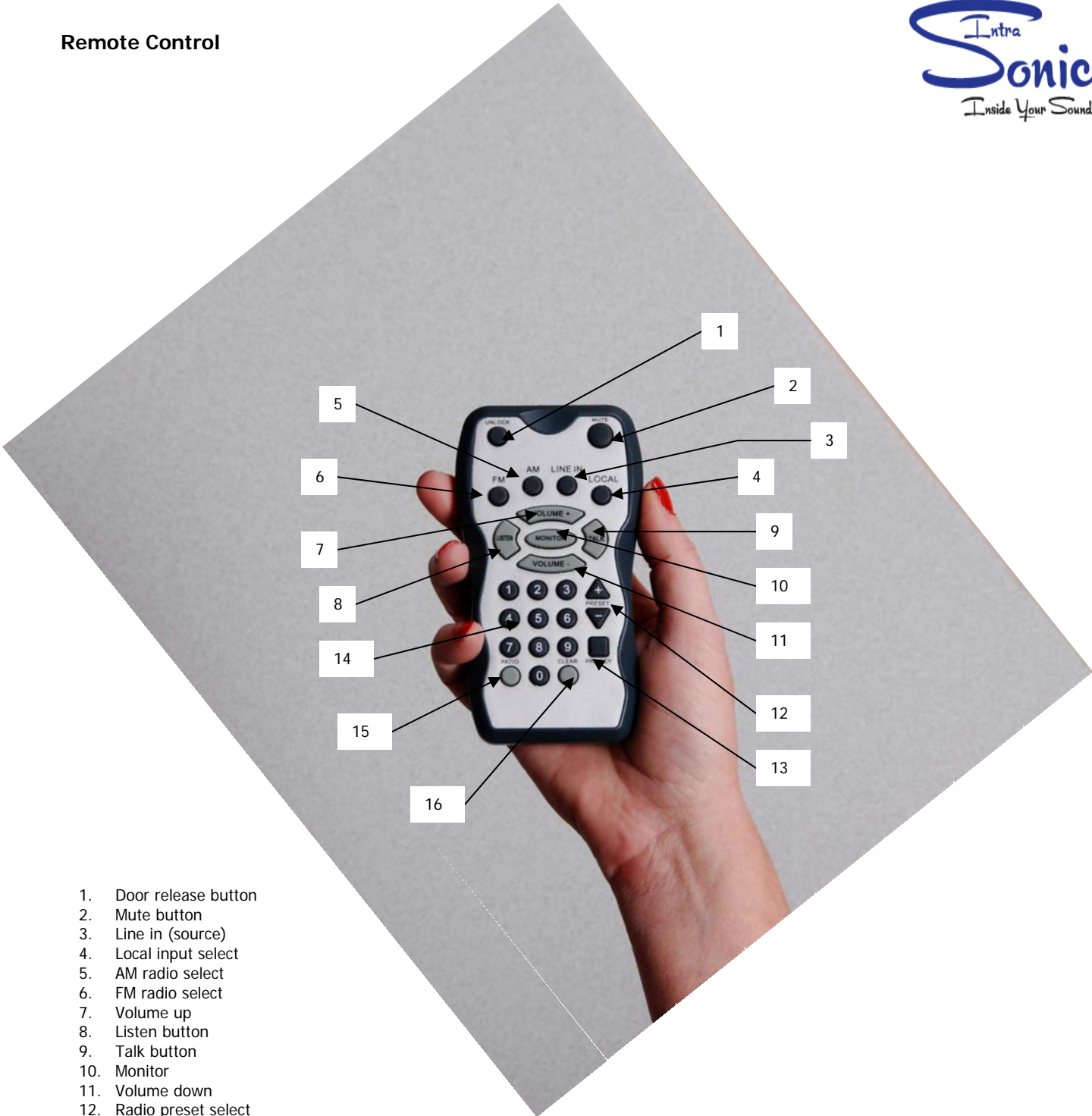
Press the K1 button to select the next available frequency

Room Station



1. Speaker
2. LCD display
3. Listen button
4. Talk button
5. Volume up and down buttons
6. Source selection button
7. Set and door release button
8. 3.5mm local music input jack (on bottom of station)

Remote Control



- 1. Door release button
- 2. Mute button
- 3. Line in (source)
- 4. Local input select
- 5. AM radio select
- 6. FM radio select
- 7. Volume up
- 8. Listen button
- 9. Talk button
- 10. Monitor
- 11. Volume down
- 12. Radio preset select
- 13. Privacy
- 14. Station number select 0-9
- 15. Patio
- 16. Clear

ROOM AND PATIO OPERATION

SOURCE

This enables you to change the source for each room separately. There are RADIO, LINE IN and LOCL to choose between.

- Radio – AM/FM radio is distributed from the master
- Line In – Line in is distributed from the Auxiliary Input Unit (AUXWP)
- LOCL – Local input is distributed from the 3.5mm jack located on the bottom of all room and patio stations.

SET

The set button is a multi-function button that can be used to change radio stations to turning on the privacy feature.

Change Radio Stations

- Make sure the source is set to AM/FM radio
- Press the set button once to display the current radio station
- Press the set button again until radio station is flashing. The flashing will last for five seconds
- Use the volume up/down buttons to change radio stations
- Press and hold the volume up/down buttons to auto scan radio stations

Change AM/FM

- Press the set button once to display radio station
- Press the set button twice to display AM/FM flashing. The flashing will last for five seconds
- Use the Volume up/down to toggle between AM/FM

Scan Preset Radio Stations

- Press the set button once to display the radio station
- Press the set button once to display preset until flashing. The flashing will last for five seconds
- Use the volume up/down buttons to scan preset radio stations

Privacy

- Press and hold the set button for two seconds
- Privacy will flash in the left corner of the display
- Use the volume up/down buttons to toggle between on/off
- Press the set button
- Press the source button

Backlight

- Press and hold the set button for two seconds
- Privacy will flash in the left corner of the display
- Press the set button again until the backlight begins to flash
- Use the volume up/down buttons to toggle between HIGH, LOW or OFF
- Press the set button
- Press the source button

Talk

- Press the talk button and hold to activate the intercom
- Speak into the speaker in a normal voice and hold the talk button until finished
- Once the intercom call has been answered (within 25 seconds) the system will automatically go into a select call mode (a private conversation between the two rooms) All other rooms will return to the music they were playing before the intercom was activated

Door Talk

- Press the talk button to answer the door. Once you release the talk button it will activate the door

Hands Free Listening

- ❑ Press and hold the listen button to activate the hands free operation. By holding the listen button the second party does not need to press their talk button.
- ❑ Hold the listen button until the conversation has ended

Unlock Door From Master (Optional feature)

- ❑ Once the door chime has been activated, UNLOCK DOOR will be on display
- ❑ Press the K1 button to unlock the door. It is recommended for safety reasons that you verify who is at the door before using the UNLOCK feature.
- ❑ The door will lock automatically. The delay of the auto door locking will depend on the delay setting programmed in the door release unit, (I1000DR). Contact your installer for more information.

Unlock Door From Room Station (optional Feature)

- ❑ Once the door chime has been activated the UNLOCK DOOR button (same as SET button) may be used. For safety reasons it is recommended that the you verify who is at the door before using the UNLOCK feature.
- ❑ Press the UNLOCK DOOR button momentarily
- ❑ The door will automatically lock. The delay of the auto door locking will depend on the delay setting programmed in the door release unit, (I1000DR). Contact your installer for more information.

Remote Control

Talk Button

- ❑ Point the remote at the master, room or patio station. Then press the talk button on the remote to initiate an intercom call to all other stations.
- ❑ Press the talk button again to end.
- ❑ Once the call has been answered (within 25 seconds) the call will automatically go into the select call mode. All other stations not on this call will go back to the music they were listening to before the call was initiated.

Selective Call

- ❑ Point the remote at the master or room station then press the number of the station you want to call and press the talk button to initiate the call. Press talk again when finished talking.
- ❑ Once the call has been answered the private communication will be active for 25 seconds.
- ❑ To talk to the patio press the patio button, then the patio station number button and then the talk button on the remote. Always end by pressing the talk button when through talking.

Door Talk

- ❑ Once the door bell has rung, press talk on the remote to activate the door talk and press talk again to activate door listen.
- ❑ Press the listen button to cancel this communication

All Listen

- ❑ Point the remote at the room station then press the listen button for the all listen feature.
- ❑ The listen feature will be active until you press the listen button again.
- ❑ If the patio speaker is desired, press the patio button and then the patio station number on the remote and then the listen button. Press listen again when finished.

Remote Control (continued)

Monitor

- ❑ Point the remote at the room station then press the monitor button for all monitor or select a room station by pressing the number of the room station and then monitor.
- ❑ Press the monitor button again to cancel room monitoring.
- ❑ If the patio station is desired, press the patio button and then the patio station number on the remote and then press the listen button. Press the listen again when finished.

Privacy

- ❑ Point the remote at the room station, master or patio and press the privacy button.
- ❑ Press the privacy button again to cancel the privacy mode.

Radio Presets

- ❑ Point the remote at the room station, master or patio and press the preset button + or – to change the preset radio stations.

Clear

- ❑ Point the remote at the room station, master or patio and press the clear button to clear the room number selected

Music Volume Up/Down

- ❑ Point the remote at the room station, master or patio and press either the button volume + to raise the music volume or the button volume – to lower the music volume.

Intercom Volume

- ❑ Point the remote at the master or room station and press the listen button. Then press the button volume + to raise the intercom volume or the button volume – to lower the intercom button. When finished setting the intercom volume press the listen button again and the room station will return to the pre-selected music.

Source

- ❑ Point the remote at the room station and press either the FM, AM, Line In or Local buttons to select the source.

Mute

- ❑ Point the remote at the room station and press the mute button to activate the mute feature.
- ❑ Press the mute button a second time to cancel the mute function

Unlock the Door

- ❑ Once the door bell has been rung, point the remote at the room station. For safety reasons it is recommended that you verify who is at the door before unlocking the door. To unlock the door simply press the unlock button on the remote.

Trouble Shooting Tips and Questions

Problem or Question	Solution
Can not hear music at room stations	Volume controls operate independently. Make sure to adjust the volume for each source Check to see if the mode setting at the master is set for intercom only or monitor/off
Can not hear room intercom	Volume controls operate independently. Make sure to adjust the intercom volume for each station Check to see if the mode settings at the master are set to music only or monitor/off Volume controls operate independently. Make sure to adjust the volume for each room station and source.
Where do I put my hand held music player at the room station?	A hand held music player bracket is sold separately. Contact your installer or Intrasonic Technology for more information
Can I charge my hand held music player?	Only at the master can you charge a hand held music player. This is done via the USB or firewire port in the docking station. Note some players may not charge through these ports.
Can not hear the room station being monitored	Volume controls operate independently. Make sure to adjust the intercom volume for each station Make sure privacy control is not active
Where do I plug in my hand held music player at the room station?	At every room and patio station, on the bottom, there is a 3.5mm jack. Simply plug a 3.5mm cable (supplied with Master) into the jack and plug the other end of this cable into the headphone jack on your music device
Can not hear my hand held music player	Make sure you have LOCL (local) selected as the music source at the station you are attempting to connect your hand held device. Volume controls operate independently. Make sure to adjust the volume for each music source at the station.
How do I monitor a baby's room?	Using the remote control or master, select to room number you wish to monitor and then press monitor. See "MONITOR" under remote control section. Using the remote, press monitor or select room number
What happens if the power goes off?	Like most electronic devices, when the power is off the equipment will not operate. The I1000M has a battery backup that should keep the owner selected settings during most power outages.
Where is the battery backup and how do I replace it?	The battery backup is located behind the master front panel. Simply loosen the three screws on the bottom of the master face plate and pull the face plate off. In the upper right hand corner there is a square cover with a single screw. Remove this screw and remove the battery behind it. Watch the battery polarity and put the new battery in using the same direction as the old battery. The battery number for replacement is CR2032. After replacement remount the master face plate and tighten the 3 screws on the bottom.
I cannot hear my MP3 player or other music source that is plugged into the master docking station throughout the home	The master docking station is a local source playing at the master only. To distribute music throughout the entire system, the music source must be plugged into the auxiliary input wall pale.



Intrasonic Technology, Inc. 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 can not be supplied, the manufacturing date code may be substituted. The 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 it's 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.

An RMA (Return Material Authorization) 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 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 installation, acts of God or violation of building or electrical codes.

Intrasonic Technology will not be liable for consequential, incidental or other 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 hereby. 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 the 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.