



dmc1/dmc1CD

Owner's Manual



Safety First

**READ ALL INSTRUCTIONS CAREFULLY BEFORE
INSTALLING OR USING THE dmc1 SYSTEM**

**THE dmc1 MUST BE INSTALLED BY M&S SYSTEMS DEALERS OR
INSTALLERS, AND MUST CONFORM TO ALL LOCAL BUILDING AND
ELECTRICAL CODES.**

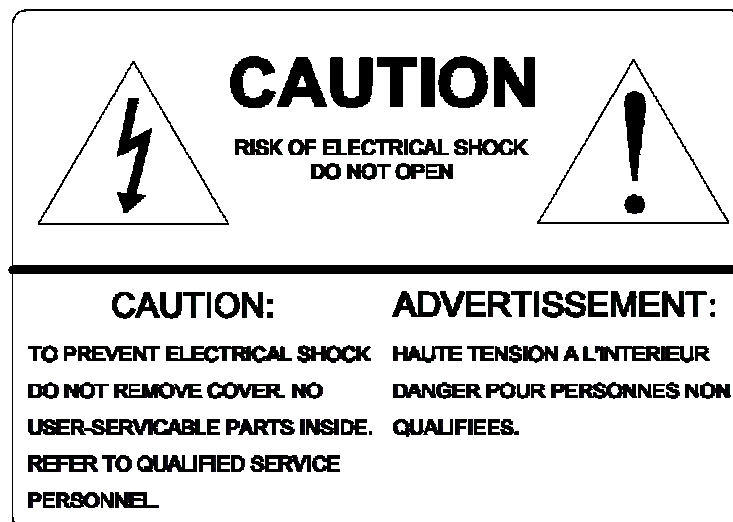
Warning: Always follow these safety instructions.

Retain these instructions for future system reference.

The dmc1 must be installed by M&S System dealers or installers. It must conform to all local building and electrical codes.

DO NOT expose the dmc1 to moisture. Doing so can create fire or shock hazards and impair the warranty.

DO NOT attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards and will invalidate your warranty. Neither the Master Station nor the Room/Patio Stations contain any user-serviceable parts. **REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL.**



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

USE ONLY M&S Systems replacement parts and have them installed by an M&S Systems dealer or installer. Unauthorized substitutions can result in fire, electric shock, or other hazards.

Upon completion of any service or product repair, have the M&S Systems dealer or installer conduct a safety check to ensure the system is in proper operating condition.

Use only a damp cloth to clean the Master Station, Room /Patio Stations, Door Stations, and speakers. Do not use liquid cleaners or aerosol cleaners.

Table of Contents

Safety First	i
Table of Contents.....	iii
Table of Figures	iv
Introduction	I
System Overview.....	I
Master Station	I
Room/Patio Station	I
Door Station.....	2
System Settings	2
Clock Settings.....	2
Music Settings	4
Audio Settings.....	7
Display Brightness.....	9
Intercom Selector Switch Settings.....	9
Intercom Operation	II
Master Station Operation	13
Radio Operation	13
CD Player Operation.....	13
Room/Patio Station Operation.....	15
Turn Music Source On and Off.....	15
Adjust System Music Volume.....	15
Select Music Source	16
Door Station Functions.....	16
RF Remote Control (Optional).....	17
M&S Systems 2-Year Warranty.....	19

Table of Figures

Figure 1—System Settings	2
Figure 2—Clock Settings: Set Time	3
Figure 3—Preset radio Stations	5
Figure 4—Scan Progressions	6
Figure 5—Scan Mode	7
Figure 6—Audio Settings: Music Volume.....	8
Figure 7—Tone Settings: Loudness.....	9
Figure 8—Intercom Settings	10
Figure 9—Monitor Override	12
Figure 10—CD Functions.....	14
Figure 11—Room/Patio Station	15
Figure 12—Door Station.....	16
Figure 13—RF Remote	17

Introduction

The dmc1 is an intercom and sound system designed for today's home. Its compact size and modern, elegant look complement any décor. But it offers more than just sensible good looks. It gives you peace of mind as it allows you to communicate with family members and monitor specified rooms. And you can listen to music from radio, CDs, or other sources throughout your home with high-quality sound.

Please read all of the safety instructions before changing any settings on your dmc1.

Keep this manual in a safe place for future reference. If you lose the manual, you can download it from the M&S Systems web site (www.mssystem.com).

System Overview

The dmc1 System consists of three major components:

- Master Station
- Room/Patio Station—You can install up to 9 Room Stations in individual zones, 15 Room Stations in shared zones, and 1 Patio Station.
- Door Station—You can install up to 3 Door Stations.

Master Station

The Master Station gives you control over the system intercom and music. You can perform setup activities: set the clock and music auto on/off times, select the system music source, preset radio stations, set scan mode, and activate the RF Remote. You can control system volume, loudness, treble, bass, and balance (with optional amplifier). From the Master Station, you determine the intercom functionality of each Room/Patio Station, and the Master Station, by setting intercom selector switches for each station to Intercom Only, Radio and Intercom, Off, or Monitor. You can monitor other stations and communicate with the Door Station. And you can control functions such as Monitor Override and Security/Home Automation, which, depending on connectivity, can be used for one function such as releasing a door lock, setting off an alarm, turning on lights, etc.

Room/Patio Station

The Room/Patio Stations provide intercom functions and system music control. Depending on the selector switch settings on the Master Station, a Room/Patio Station can communicate with or monitor other stations, communicate with the Door Station, and control Door Release (not available on Patio Station). You can turn the system music on and off, control system music volume, and select from the four music sources.

Door Station

The Door Station is an exterior intercom speaker and doorbell installed at major entranceways into your home. It allows residents to communicate with visitors. Any station with its Intercom Selector Switches set to Intercom or Radio/INT can communicate with the Door Station.

System Settings



Figure 1—System Settings

Clock Settings

You can set two clock functions:

- **Normal**—Displays the normal time of day.
- **Music Auto On/Off**—Sets the times to automatically turn the last music source on and then off.



Figure 2—Clock Settings: Set Time

To change clock settings:

1. Press TIME. The hour field for Normal Time blinks, and SET TIME appears on the display.
2. Press VOLUME UP or VOLUME DOWN to change the hour. An A or P indicates AM or PM, respectively.
3. Press TIME. The minute field blinks. Use the VOLUME buttons to change the minutes.
4. Press TIME to continue through the settings: Music Auto On, hour and minutes and Music Auto Off, hour and minutes.
5. After you have entered Music Auto Off minutes, press TIME to return to Normal Time display.

Note: You can enable or disable the AUTO function. The word “Auto” will appear on the display when Auto Function is on. See *Music Settings/Auto On/Off*.

Music Settings

Music Source

You can select from four music sources:

- AUX—Any source you connect, such as an external CD player or a stereo system
- AM radio band
- FM radio band
- CD player (dmc1 System CD player). This source can also be used to hook up an external audio device if the system does not include a DMC1CD player. For CD functionality, see *Master Station Operation/CD Player Operation*.

To select a music source:

1. Press POWER to turn on music.
2. Press SOURCE repeatedly to cycle through AUX, AM, FM, and CD until you reach the music source you prefer.

Music Auto On/Off

You can set the system to turn music on automatically at a predetermined time and to turn the music off automatically at a predetermined time.

1. Set the Auto On/Off times as described under *Clock Settings*.
2. Press the AUTO button to toggle between On and Off. When the Auto function is on, AUTO appears on the display.

Radio Settings

You can tune radio stations on FM or AM, and you can set up to 8 presets on each band.

Tune the Radio

To tune a radio station:

1. Press POWER to turn on the music.
2. Select FM or AM. See *Music Settings/Music Source* for instructions.
3. Use TUNE UP or TUNE DOWN to find a station. If you press and release, within 1 second, TUNE UP or TUNE DOWN, the tuner goes into Seek Mode and finds the next station with a strong signal. If you press and hold TUNE UP or TUNE DOWN, the tuner goes into Scan Mode and scans all frequencies until you release the button.

Note: For the first two seconds, the tuner scans at slow speed to allow for fine tuning. After two seconds, the tuner scans at fast speed.

Preset Radio Stations

To preset radio stations:

1. Press POWER to turn on the music.
2. Select FM or AM. See *Music Settings/Music Source* for instructions.
3. Use TUNE UP or TUNE DOWN to find a station. See *Tune the Radio* above for seek and scan functions.
4. Simultaneously press TUNE UP and TUNE DOWN to enter Store Preset mode. The display shows PRESET and a preset number.

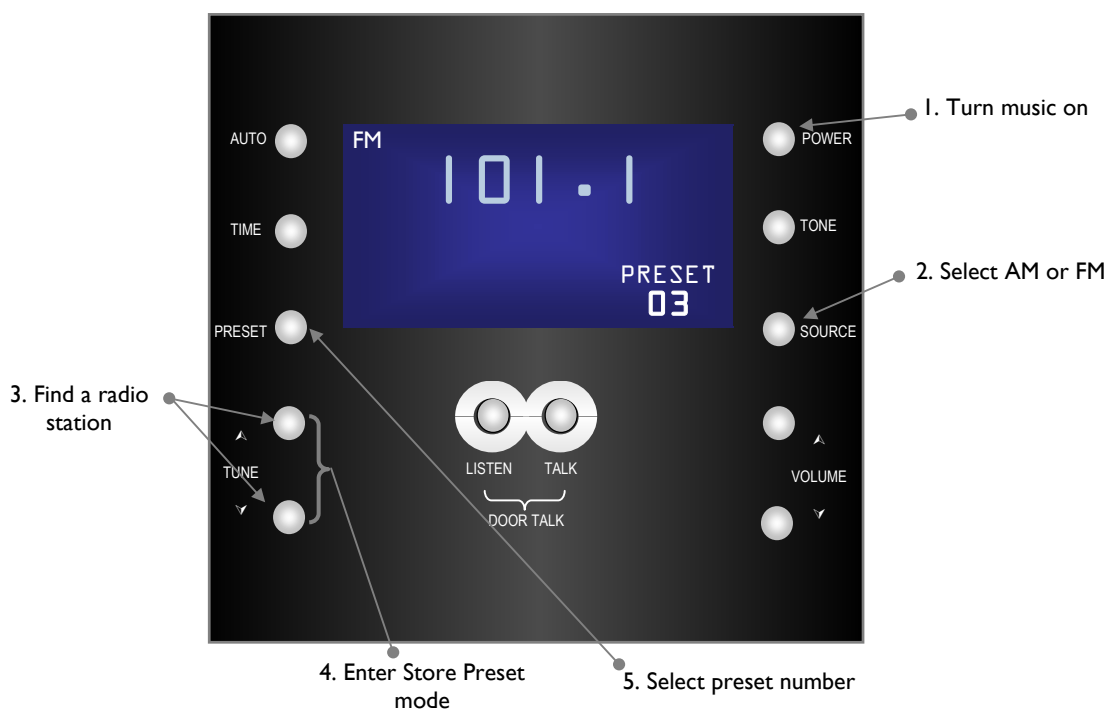


Figure 3—Preset radio Stations

5. If you don't want to change the preset number, wait 5 seconds and your selected radio station will automatically be assigned to the preset number that is displayed. If you want to change the preset number, press the PRESET button repeatedly to cycle through numbers 1-8 until you reach the preset number you want.
6. Wait 5 seconds. The display updates to show the new station for the selected preset number.

Note: You can cancel this activity at any time during the process by pressing TUNE UP and TUNE DOWN simultaneously again, and no new preset is stored.

Scan Mode

Two scan modes are available:

- Scan 1—Allows users at Room/Patio stations to scan through the four music sources (AUX, AM, FM, CD). On radio bands AM and FM, Scan 1 scans through the preset radio stations: AM 1-8 and FM 1-8. See *Music Settings/Radio Settings* for information on how to preset radio stations.
- Scan 2—Allows users at Room/Patio stations to scan through the four music sources (AUX, AM, FM, CD.) On radio bands AM and FM, Scan 2 scans all strong stations before moving on to the next source.

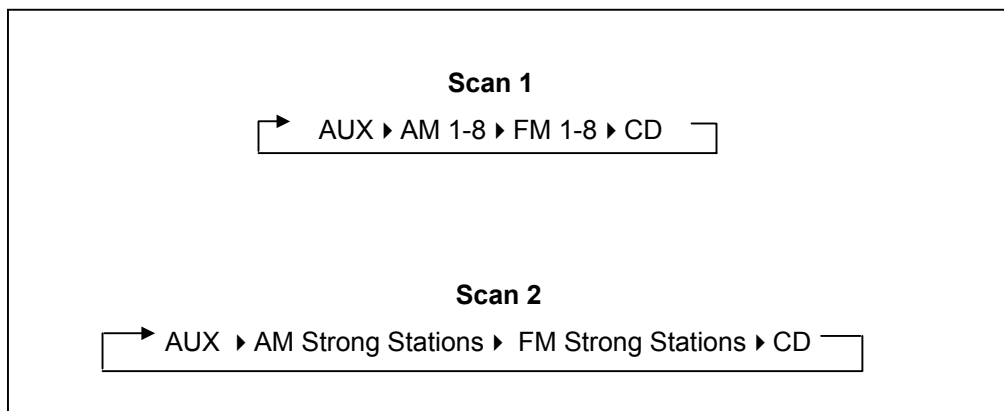


Figure 4—Scan Progressions

To set the Scan Mode:

1. To change the scan mode, simultaneously press and release PRESET and SOURCE again. The display shows either Scan1 or Scan2.

Note: You can exit out of scan mode by pressing PRESET and SOURCE or waiting for the display to show the clock time again.

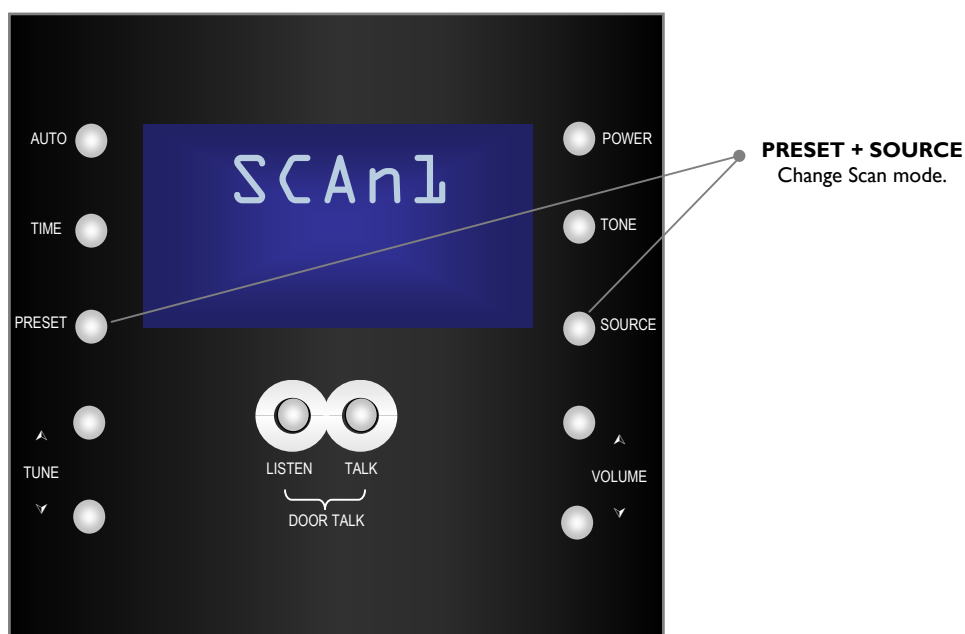


Figure 5—Scan Mode

Audio Settings

Volume

- Music—Adjusts the volume for system music
- Master Station—Adjusts the volume for the speaker on the Master Station only
- Intercom—Adjusts the volume for the system intercom

Tone

- Loudness
- Treble
- Bass
- Balance (if you have the optional stereo power amplifier)

To change volume and tone settings:

1. Press **POWER** to turn on music. The system defaults to music volume. Use **VOLUME UP** and **VOLUME DOWN** to adjust the music volume from 0-29. All other audio settings return to music volume after 5 seconds.
2. Press **TONE**. Master Volume appears. This controls the volume for the Master Station speaker only. Use **VOLUME UP** and **VOLUME DOWN** to adjust the Master Volume from 0-14.

Note: When music is off, use VOLUME UP and VOLUME DOWN to adjust Master Volume.

3. Press TONE. The Loudness function appears. Press VOLUME UP to turn Loudness on. Press VOLUME DOWN to turn Loudness off.
4. Press TONE. The Treble function appears. Use VOLUME UP and VOLUME DOWN to adjust the treble from 0-14.
5. Press TONE. The Bass function appears. Use VOLUME UP and VOLUME DOWN to adjust the bass from 0-14.
6. Press TONE. If you have the optional stereo power amplifier, the Balance function appears. Use VOLUME UP and VOLUME DOWN to adjust the Balance from +10 to -10. (Zero = equal balance.)
7. Press TONE. Intercom Volume appears. Use VOLUME UP and VOLUME DOWN to adjust the Intercom Volume from 0-14.

Note: When music is off, press TONE to access Intercom Volume, then use VOLUME UP or VOLUME DOWN to adjust Intercom Volume.

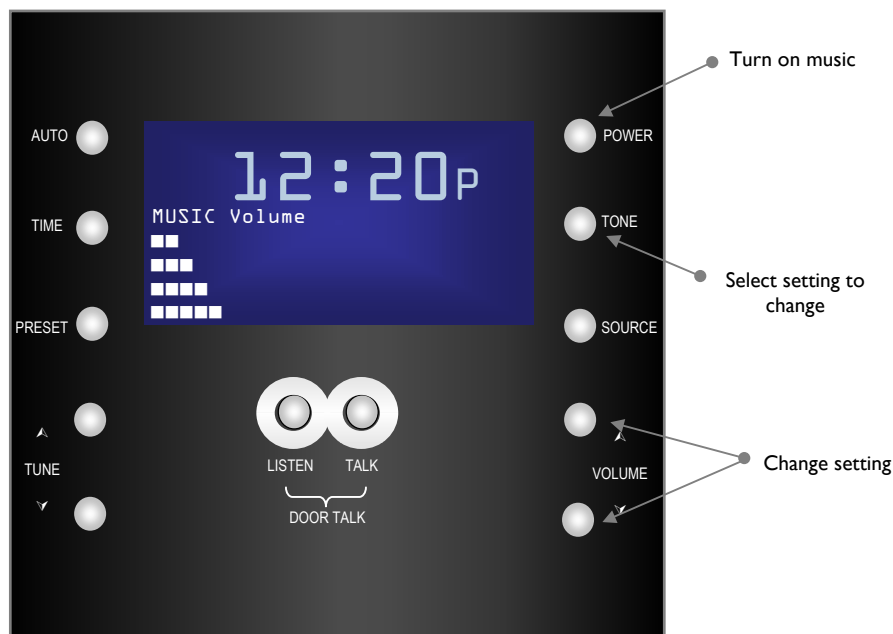


Figure 6—Audio Settings: Music Volume

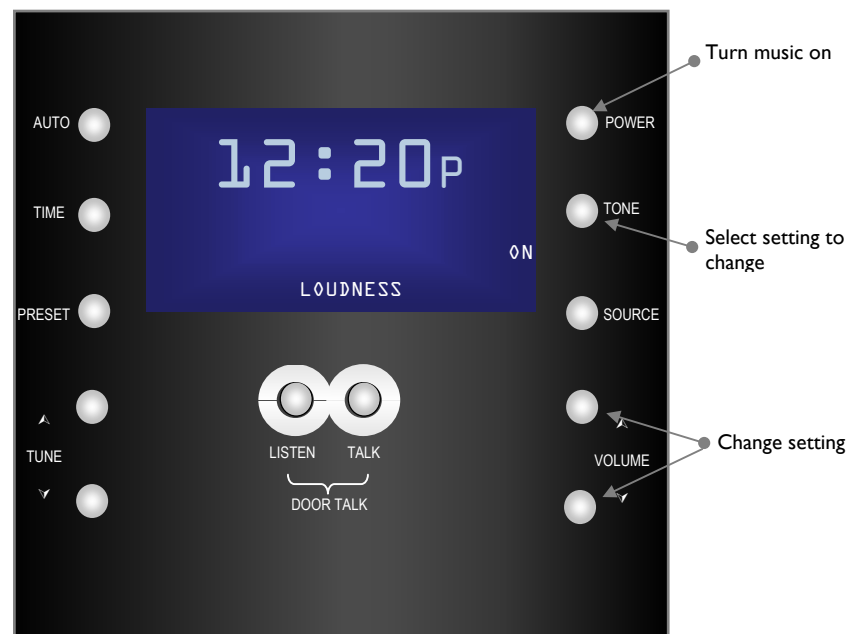


Figure 7—Tone Settings: Loudness

Display Brightness

1. Simultaneously press TUNE UP and POWER. The display cycles through brightness levels: low, medium, and high, then repeats the cycle.
2. Press the buttons repeatedly until you reach the brightness you prefer.

Intercom Selector Switch Settings

You can set all major Intercom functions using the Intercom selector switches on the Master Station.

You can set each station to one of four configurations:

- Intercom Only
- Radio/INT (Music source and Intercom)
- Off
- Monitor

Note: When the system has more than 9 Room Stations some intercom selector switches will control two room stations.

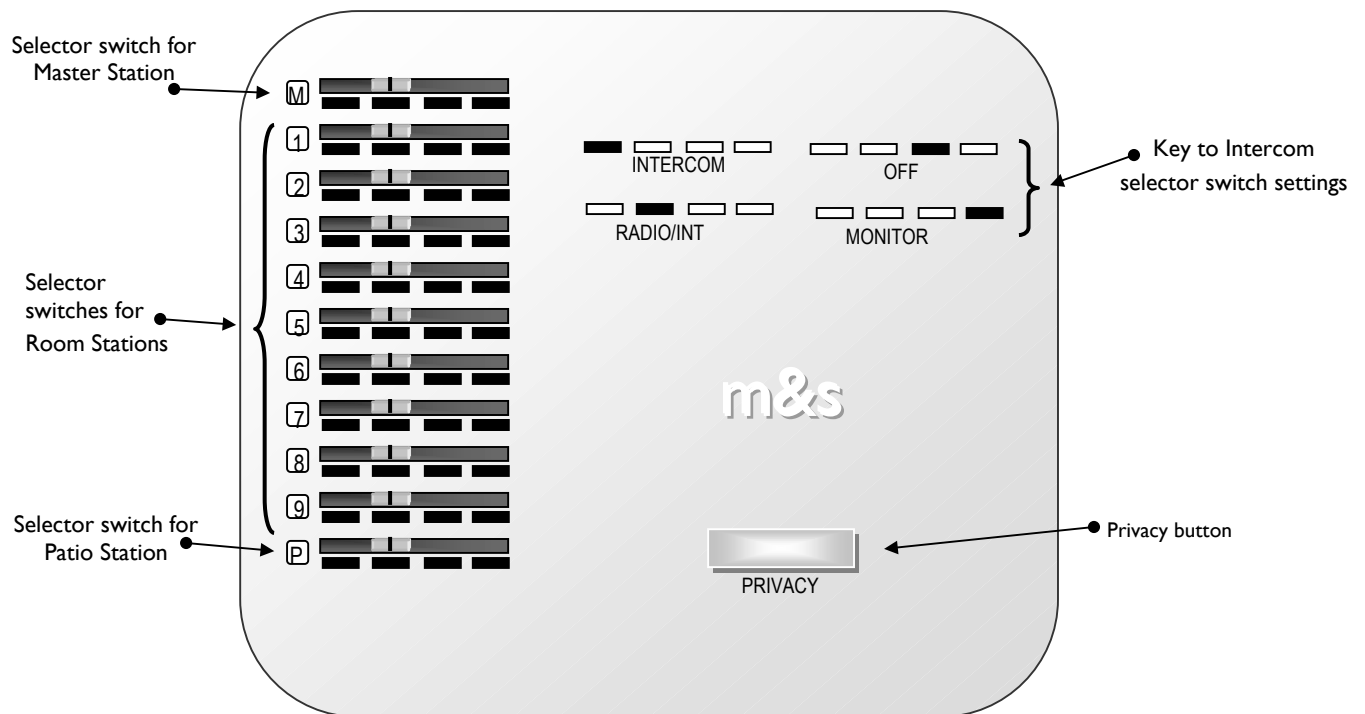


Figure 8—Intercom Settings

Intercom

When a station is set to Intercom (Intercom only):

- Users can talk and listen from this station.
- The room does not receive music.
- The room cannot be monitored.
- The room cannot hear other rooms that are set to Monitor.
Note: When a station is set to Intercom, the sound and activity in that room can be heard by a user at another station who presses the LISTEN button.
- The station hears the door chime and users can talk and listen to the Door Station.

Radio and Intercom

When a station is set to Radio/INT (Music source and Intercom):

- Users can talk and listen from this station.
- The room can receive music.
- The station can monitor any other station that is set to Monitor.
Note: When music is on, the audio from a monitored room is heard in addition to the music.
- The station itself cannot be monitored.

Note: When a station is set to Radio/INT, the sound and activity in that room can be heard by a user at another station who presses the LISTEN button.

- The station hears the door chime and users can talk and listen to the Door Station.

Off

When a station is set to OFF:

- Users can talk out if it's a Room Station. Users cannot talk out from a Patio Station.
- Users cannot listen.
- The room cannot receive music or intercom-related audio.
- The room cannot be monitored.
- The station does not hear the door chime and cannot talk and listen to the Door Station.

Monitor

When a station is set to Monitor:

- Any station set to Radio/INT can hear all sound and activity in the room continually.
- Users can talk out.
- Users cannot hear the door chime.
- Users can talk to the Door Station, but they can't listen.
- The room cannot receive music.
- Users can talk to a monitored station, if the monitor override is set to On.

Intercom Operation

Talk

Talk allows users to talk to all stations with selector switches set to Intercom or Radio/INT, unless they have PRIVACY button pushed in.

To initiate a Talk/Listen session, press TALK and begin talking. You can hear remote users if you press the LISTEN button or if they press their TALK button.

Listen

Press LISTEN to listen to all stations set to Intercom or Radio/INT. You cannot hear stations that have PRIVACY activated.

Door Talk/Listen

- Press TALK and LISTEN simultaneously to enter Door Talk mode. This allows you to talk to the Door Stations. All other stations set to Intercom or Radio/INT can hear the conversation, unless they have the PRIVACY button activated.

- Release the TALK and LISTEN buttons to listen to the Door Station. The Listen mode is active for a total of 25 seconds after you release the TALK and LISTEN buttons. You may talk again at any time by pressing TALK and LISTEN. Each time the buttons are released, you can listen for another 25 seconds.
- Door Talk mode is suspended at the end of the 25 second listening period or if you press either the TALK button or the LISTEN button alone.

Monitor

All stations set to Radio/INT on the Master Station can continually hear the sound and activity from a station set to Monitor.

Monitor Override

From the Master Station, you can temporarily override the Monitor so you can communicate with stations set to Monitor. When Monitor Override is off, stations set to Monitor cannot hear any intercom communication or the door chime. When Monitor Override is on, stations set to Monitor can hear only incoming talk from other room stations.

To turn Monitor Override on and off:

1. To change the setting, simultaneously press and release AUTO and POWER. The display shows either ON (Monitor Override is on) or OFF (Monitor Override is off.)

Note: You can exit the monitor override setting by pressing AUTO and POWER or waiting for the display to show the clock time again.

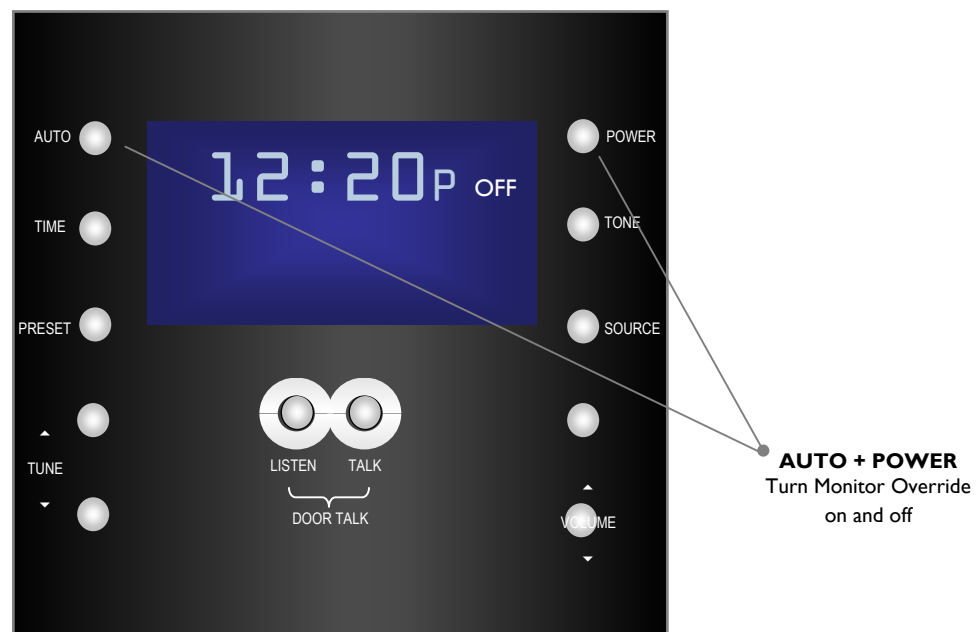


Figure 9—Monitor Override

Privacy

When the PRIVACY button is pushed in at a station, the station cannot be listened to or monitored.

- You can still initiate a Talk session and talk out.
- You can still receive music.
- You can still hear the door chime.

Security/Home Automation (Optional)

This optional function can control another system that is properly connected to the dmc1. For example, it may control a door release mechanism, turn on the lights, set off an alarm, etc. This function is available from the Master Station and all remote scan Room Stations (dmc1RS). It is not available from a Patio Station.

To initiate feature from a room station:

1. Simultaneously press VOLUME UP and VOLUME DOWN and hold for at least 4 seconds. After 4 seconds, this feature is active for as long as you hold the buttons.
2. Release the buttons to deactivate the feature.

Master Station Operation

Radio Operation

1. Press POWER to turn on music.
2. Select either FM or AM as the music source. See *Master Station Settings/Music Settings/Music Source* for instructions.
3. Use TUNE UP or TUNE DOWN to select a station, or press PRESET to select a preset station.

CD Player Operation

1. Load up to 6 CDs in the CD changer.
2. Press POWER to turn on music.
3. Select CD as the music source. See *Master Station Settings/Music Settings/Music Source* for instructions.

When you choose CD as the music source, the display shows the following information:

- Which CD is playing, indicated by a circle around the CD number
- The track that is playing, indicated by the number on the display

Note: Initially, the display shows six CD positions. If the CD player reaches a CD position and finds no CD loaded there, that number disappears from the display.

CD Functions

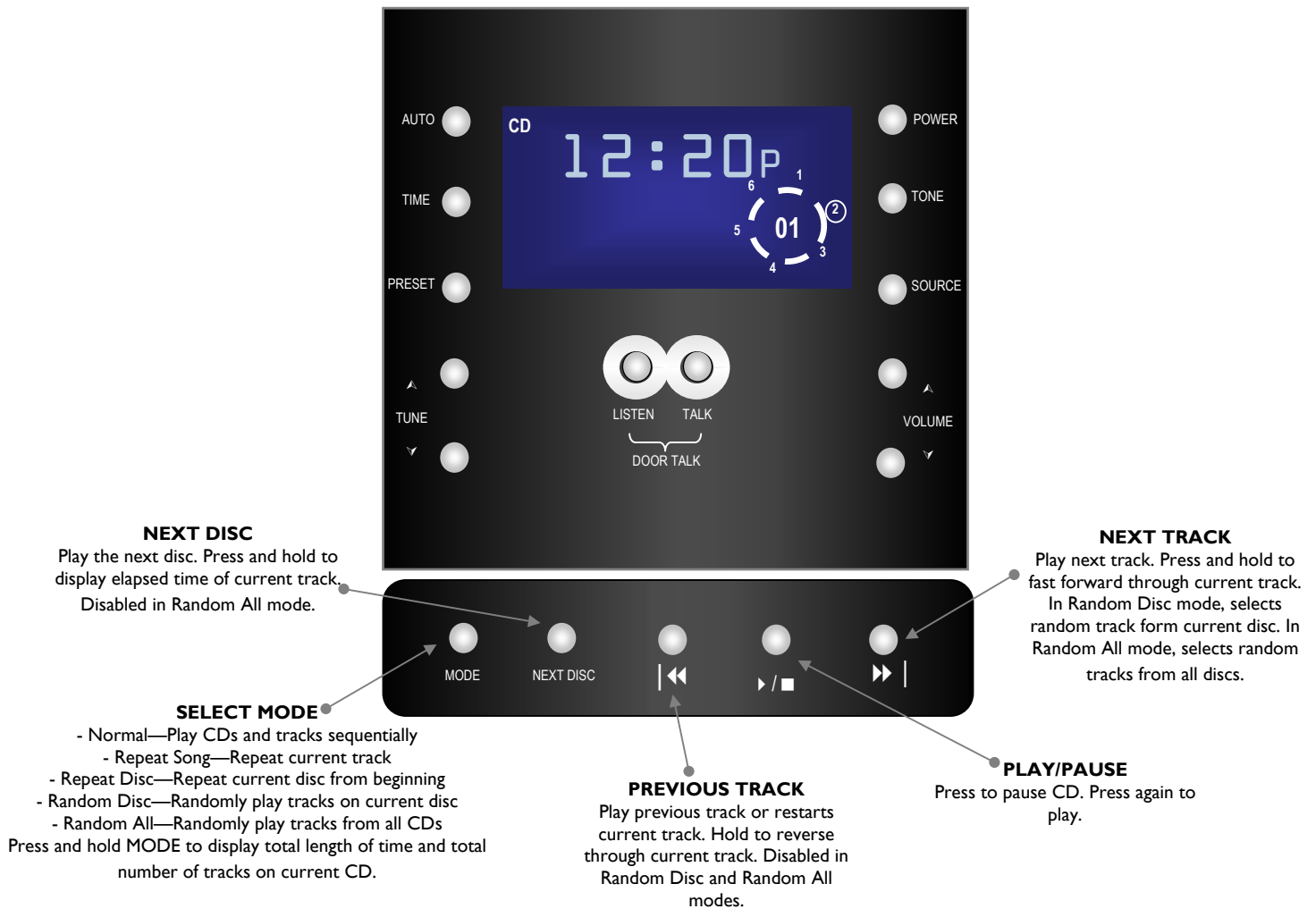


Figure 10—CD Functions

Room/Patio Station Operation

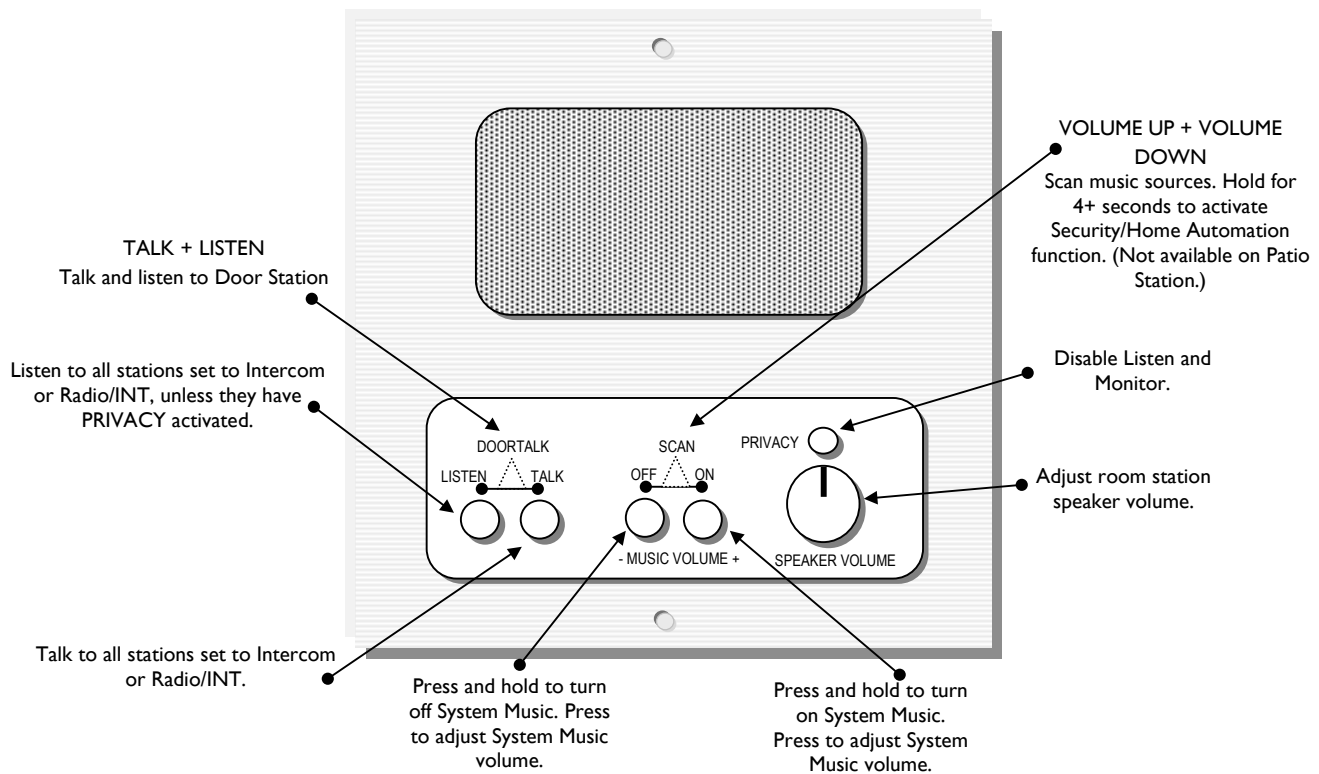


Figure 11—Room/Patio Station

Turn Music Source On and Off

You can turn the Music Source on and off from any Room/Patio Station.

- To turn the Music Source on, press the MUSIC VOLUME UP button.
- To turn the Music Source off, press the MUSIC VOLUME DOWN button until the volume level goes to zero.

Adjust System Music Volume

You can adjust the system music volume from any Room/Patio Station by pressing VOLUME UP or VOLUME DOWN.

Select Music Source

You can select the system music source from any Room/Patio Station. The music sources that are available to you vary slightly depending on the Scan setting on the Master Station. (See *Master Station Settings/Music Settings/Scan Mode* for details.)

Note: You cannot select specific tracks on the CD from a Room/Patio Station.

To scan for a music source:

1. Simultaneously press and release VOLUME UP and VOLUME DOWN.

Note: If you press and hold these buttons for 4 seconds or more, you initiate the Security/Home Automation function. (See *Intercom Operation/Security/Home Automation* for details.) This function is not available on the Patio Station.

2. Repeat until you reach the music source you prefer.

Door Station Functions

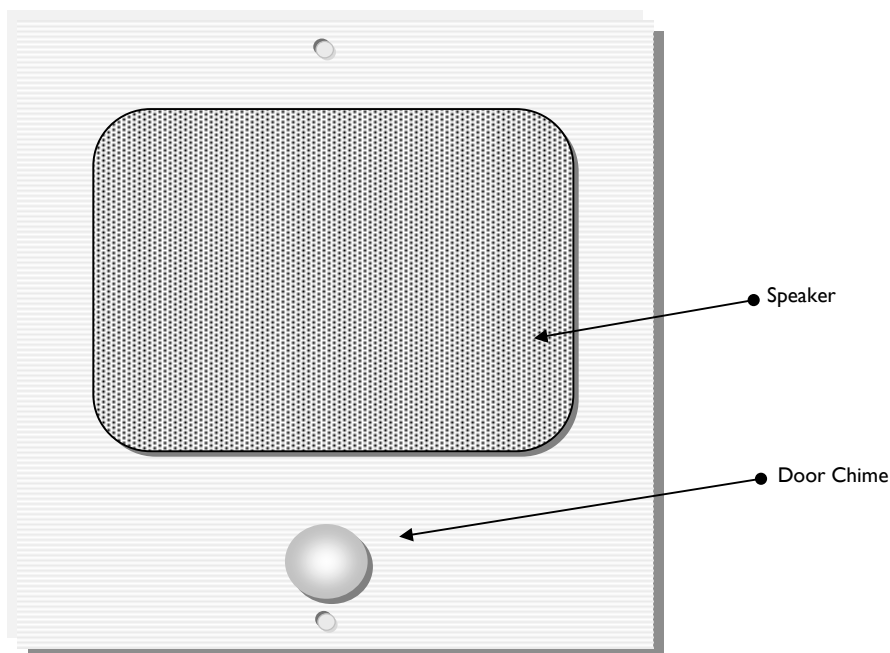


Figure 12—Door Station

When a user presses the door chime button on the Door Station the chime is heard at all stations set to Intercom or Radio/INT, even if PRIVACY button is activated.

- All system audio (music and intercom) is muted when the chime rings.
- If the Door Station is engaged in a talk or listen session, the chime is not heard.

RF Remote Control (Optional)

You can program up to 4 different remotes to control the Master Station. The system learns a unique code from the remote, virtually insuring that no one else can interfere with your system and you will not interfere with anyone else.

To program the RF remote:

1. Simultaneously press and release AUTO and SOURCE. RF and SET appear on the display.
2. Press and hold any button on the remote until the RF and SET disappear from the display. The remote is now ready to use.

Note: To cancel programming of remote, press and release AUTO and SOURCE.

The remote is an RF (radio frequency) remote control, which means that you can use it from any location in the house. You do not have to be in the same room as the Master Station.

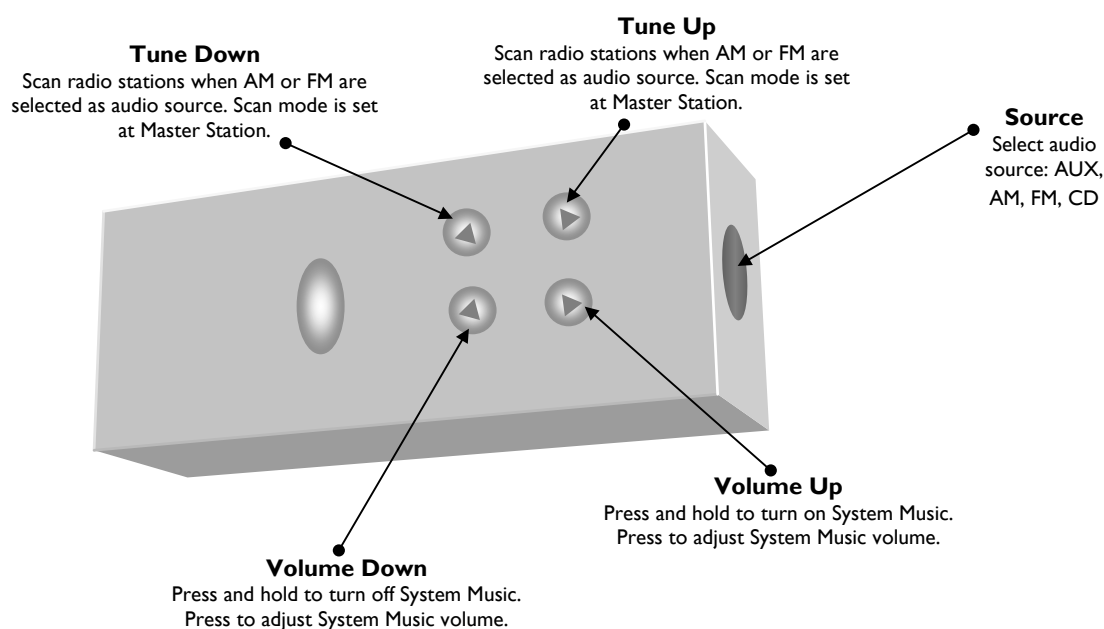


Figure 13—RF Remote

Note: If 4 remotes have previously been programmed and a replacement remote (due to breakage or loss) is ordered, all 4 remotes will need to be reprogrammed.

M&S Systems 2-Year Warranty

M&S Systems warrants its products to be free of defects for 2 years. Except for the AirVac Gold power units. The warranty period begins on either (a) the date of purchase or installation date of this product or (b) the date of closing on a new residence in which this product was originally installed. The warranty extends to the original user of the product and to each subsequent owner of the product during the term of the warranty. M&S will repair or replace, at its option, parts and materials at no charge. Parts supplied under this warranty may be new or rebuilt at the option of M&S Systems.

If during the warranty period the product appears to have a defect, please call our toll free service number (800-366-9422) prior to dismantling. Dismantling the product prior to calling our service number may void the warranty. Before returning any product to M&S Systems, obtain a Return Authorization Number (RAN) from our service department. M&S Systems will return the repaired product freight prepaid within the continental United States. **ANY PRODUCT RETURNED TO M&S SYSTEMS WITHOUT A RAN NUMBER WILL BE REFUSED.**

This limited warranty is in lieu of any other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose or otherwise, and of any other obligations or liability on the seller's part. This limited warranty does not cover damage caused by improper installation, acts of God, criminal acts, the violation of applicable building or electrical codes or the use of non-M&S wire, cable (excluding CAT5 and RG-6) or wall housings.

Under no circumstances shall M&S Systems be liable for consequential, incidental or special damages arising in connection with use, or inability to use this product. In no event shall M&S Systems liability hereunder exceed the cost of the product covered hereby. No person is authorized to assume for us or obligate us for any other liability in connection with the sale of this product. Some states do not allow the exclusion or limitation of consequential, incidental or special damages, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

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