

# Model Six

## Operating Manual

Version 5.2



*Automation ♦ Chimes ♦ Bells ♦ Carillons*

**CHIME MASTER<sup>®</sup> SYSTEMS**

USA 800-344-7464 Canada 800-432-3977

[www.ChimeMaster.com](http://www.ChimeMaster.com)

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# *Important Safety Information*

This manual has been written to help you install and use the Chime Master® System laser disc carillon. Every precaution has been taken to ensure that it is correct. However, Chime Master® Systems assumes no liability for errors or omissions. All specifications and features are for reference only and are subject to change without notice. For exact specifications contact

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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area may cause harmful interference in which case the users will be required to correct the interference at their own expense.

## **Grounding**

This carillon must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This carillon is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local rules and ordinances.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the carillon is properly grounded. Do not modify the plug provided with the carillon - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

## **Lightning**

The Chime Master® System is provided with surge protection circuits. Lightning strikes near, or directly to nearby power lines can cause an excessive surge of voltage that can damage the unit.

Lightning damage is uncommon, but it can occur to any electronic device. We suggest that you unplug all electronic products during storms, especially if you are concerned about it or if you live in an area with frequent and/or severe electrical storms.

As with any valuable equipment purchase, you should review your insurance policy to be sure that your Chime Master® System is covered for fire, theft, vandalism or damage due to electrical storms.

## **WARNING**

When using this electric product, basic precautions should always be followed, including the following:

1. Read all instructions before use
2. Do not use this carillon near water - for example, near a bathtub, washbowl, sink, wet basement, or the like.
3. This carillon, either alone or in combination with a PA amplifier, headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
4. This carillon should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
5. Care should be taken so that objects do not fall and liquids do not spill into the enclosure through openings.
6. The carillon should be serviced by qualified service personnel when:
  - a) The power supply cord has been damaged; or
  - b) objects have fallen, or liquid has been spilled onto the carillon; or
  - c) The carillon has been exposed to rain; or
  - d) The carillon does not appear to be operating normally or exhibits a marked change in performance; or
  - e) The product has been dropped, or the enclosure damaged.
7. Do not attempt to service this carillon beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

## **Radio Interference**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

The above instructions apply only to units that will be operated in the United States

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# *Quick Reference Guide*

Thank you for choosing the Chime Master System electronic carillon. The operating features of this carillon have been carefully integrated to provide utmost flexibility, while retaining our renowned ease of use.

In this section, you will find the most common operations are outlined in a systematic format. We want you to be satisfied with your carillon. So, if you should ever require help programming your system, call our toll-free help line, 800-432-3977 (the number is on the key-ring supplied with your system).

## **Trying out your System for the First Time**

If you have just installed your system, you are probably eager to hear how it sounds. While it is ringing, you may need to adjust the volume level.

First, insert the key into the front panel key-switch and turn the key on. Now, simply press **[1]**, then **[ENTER]**. This will ring a call-to-worship swinging bell. To play a musical selection, press **[4]**, then **[ENTER]**.

You have just played two of the four re-programmable functions.

## **Typography used in this Manual**

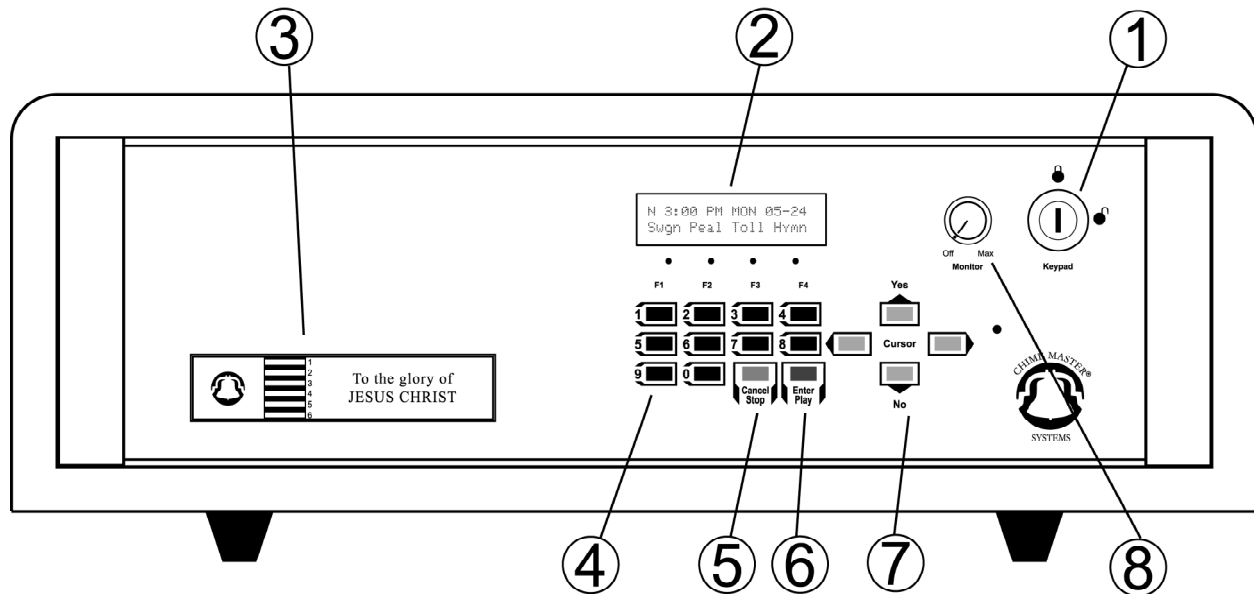
Front panel push buttons are shown as **[0]**-**[9]**, **[CANCEL]** and **[ENTER]**.

Remote control push buttons are shown as **[F1]**, **[F2]**, **[F3]**, **[F4]**, **[STOP]** and **[PLAY]**.

Segments of the display that are flashing will be shown in bold type. The display below shows a flashing quarter hour.

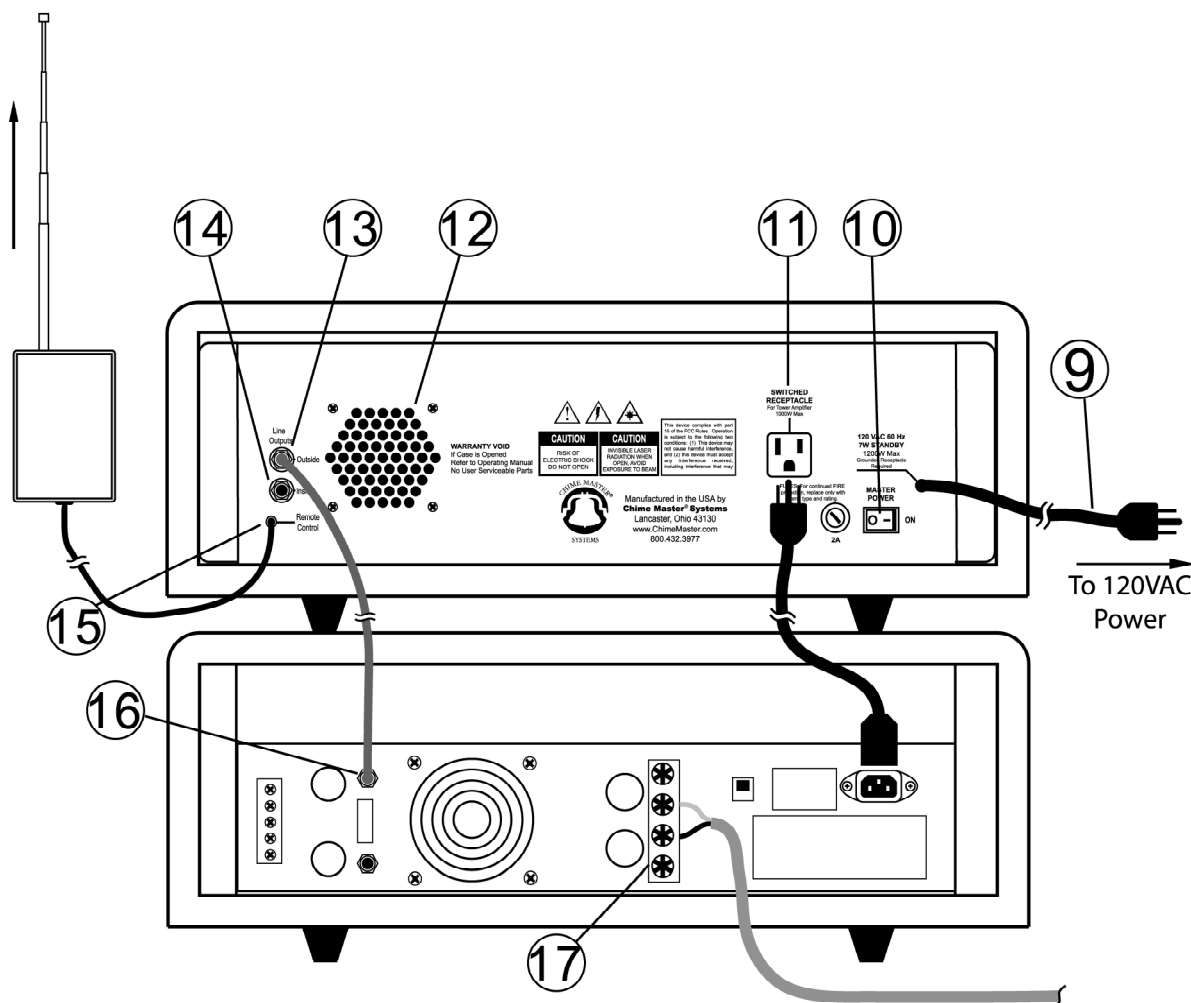
|                               |
|-------------------------------|
| MO 3: <b>15</b> P SRCH L6 OFF |
| 1225 1464 1313 0000           |

## Operator Controls and Connections



1. **Key Lock.** This locks the keypad buttons preventing unauthorized programming. If the keyboard is locked, removal of the discs from the unit is impossible. The key cannot be removed when the switch is in the unlocked position.
2. **Display.** The display shows data and messages from the system. It will light when the keyboard is unlocked, and a button is depressed. It will automatically go off after about four minutes if there is no keyboard activity.
3. **Disc Magazine.** When inserting the magazine into the system, make certain that the direction of insertion is correct. Gently insert the magazine into the slot for proper engagement. The magazine can only be ejected by the program sequence.
4. **Black Buttons.** All of the numeric buttons are black. They are for entering selection numbers and other data into the system. The top row of four black buttons double as function keys. They duplicate the four function buttons on the programmable remote control unit.
5. **Red Button.** The red button is the **[CANCEL]** button. It aborts certain system operations and modes. It duplicates the **[STOP]** button on the remote control to fade bells away when they are ringing.
6. **Green Button.** The green or **[ENTER]** button initiates actions selected by selection keys, or confirms changes to the program. It also duplicates the **[PLAY]** button on the remote control.
7. **Gray Cursor Buttons.** The left and right gray cursor buttons (**[◀cursor]** and **[cursor▶]**) make menu selections, or select programming displays to change. The gray buttons up and down cursor buttons (**[cursor▲]** and **[cursor▼]**) scroll through lists, as well as allowing the user to answer questions that the system prompts for a **YES** or **NO** response. In certain programming modes, the **[cursor▲]** button is used to provide an **R** for random selection groups and **P** for pauses. When the display is in the screen saver mode, press any gray button to brighten the display.
8. **Monitor Level Control.** This control turns the volume heard through the built-in speaker (12) up and down. It also controls the Line Output - Inside jack (14) on the rear panel.





9. Plug **power cable** into a properly grounded 120VAC/50 or 60Hz outlet.
10. **Master Power switch**. Power must be on for the system to work. A green light on the front panel and the display will light after turning on the power. To avoid corrupting the configuration settings, do not turn on the power without first installing the disc magazine. The power switch on the front of the amplifier only turns off the outside speakers.
11. **Amplifier power receptacle** provides electric current to the tower amplifier when the system is ready to play. The amplifier automatically turns off to conserve power in the Standby mode.
12. **Monitor Speaker** – allows inside listening to the carillon, even when the outside speakers are turned off. To mute the speaker, turn down the **Monitor Level** control (8).
13. **Line Output – Outside** – Jack supplies audio signal for the tower amplifier.
14. **Line Output – Inside** – Jack supplies audio signal for an inside amplifier or PA system.
15. **Remote Control** – Jack connects to the remote control receiver.
16. **Channel 1** – Input jack on the amplifier connects with a ¼" to ¼" plug cable to the **Line Output – Outside** jack (13).
17. **Speaker Output** Terminals. See enclosed installation instructions for proper connections and configuration switch settings. A typical installation with four outside speakers will connect to the two red binding posts.

## About Standby Mode

The Chime Master System remains powered on during periods of inactivity. The power amplifier is turned on and off by the system when it is needed to play to conserve electricity. When the system has finished playing, it enters Standby mode. The system must be in Standby mode in order to be able to play scheduled programs automatically. Standby mode is characterized by one of the display screens shown below.

While you are viewing the program schedule, changing other setup parameters or playing selections from the Manual mode leaves Standby mode and automatic operation is suspended. If you should forget to return to Standby mode, the system will automatically go to Standby mode after five minutes. If you are in the middle of making changes to the program schedule and leave for more than five minutes, your changes may be lost.

The system will wait up to an hour if a selection is ready to play, before it changes to Standby mode.

3:07 PM MON

N 3:07 PM MON 07-24  
Swng Peal Toll Hymn

The display on the left depicts the dim time and date scrolling mode which extends the life of the display readout. Press any front panel key to brighten the display and show the additional information shown on the right display example.

A - Advent  
C - Christmas  
E - Easter  
G - Good Friday (Holy Saturday)  
L - Lent  
M - Marian  
P - Patriotic  
T - Thanksgiving  
N - Non-Seasonal

The top left of the display shows the current seasonal music list being played. The single-letter codes are decoded in this table. The time, day and date are displayed on the remainder of the top line.

The bottom line of the display labels the top row of front-panel pushbuttons. These four buttons are duplicated on the remote and are referred to in this manual as remote function buttons.

## How the Menus Are Organized

*Standby Mode*  
*Main Menu*  
*Manual*  
*View*  
*Setup*  
*Time Strike*  
*Set Time*  
*Change Disc*  
*Function*

Many of the instructions in this manual start with, "Press [ENTER] for the Main Menu." This only works if you are already at the Standby Screen as shown above. Press [CANCEL] to exit other programming screens until the system has returned to Standby Mode.

When a menu item is flashing on the display, select it or select other available items using [cursor▶]. When the menu you want is flashing, press [ENTER] to execute it.

Once you have arrived at the menu or setup screen you want, you can navigate around its fields by pressing [**◀cursor**] and [**cursor▶**]. To change the fields, press [**cursor▲**] and [**cursor▼**]. In order to put the screen into an editing mode (as in the View screen) you will have to press [**ENTER**]. At that point, [**◀cursor**] and [**cursor▶**] will move around different screen fields. After editing is complete, pressing [**ENTER**] again will allow you to select another item (like a scheduled time slot) to edit.

Most editing screens will allow you to undo your changes by pressing [**CANCEL**] as long as [**ENTER**] has not been pressed yet.

## Entering Selections

When a four-digit number is flashing on the display, the system is waiting for you to enter a selection.

### To Play Specific Selections

Look the title up in the selections catalog to find the four-digit number for the selection. Specific selection numbers are entered directly using the numeric buttons.

### To Play a Random Selection

Press [**cursor▲**] once to display R\_, then press [**1**] to [**3**] to select a random music group. You will find these random groups described in the Selections Catalog.

### To Play a Random Block of Selections

Random blocks are used to schedule random music for a block of time. They are four-digit numbers beginning with 07, and are described in the Selections Catalog.

### To Program a Pause

Pauses are used to delay subsequent selections beyond the quarter hour. They are only used when programming or editing the automatic schedule. Press [**cursor▲**] (twice) to display P\_ followed by [**1**] to [**5**] which indicate the number of minutes to delay. Multiple pauses may be used to increase the delay time.

You may enter selections whenever the selection numbers on the lower line are flashing.

|                      |
|----------------------|
| MO 3:15P SRCH L6 OFF |
| P5 1225 R2 0711      |

This view shows a five-minute pause, which allows Amazing Grace (#1225) to play at 3:20 P.M., followed by a random music selection from group 2, followed by random music filling the quarter hour from random group 3.

Hint: Press [0] [0] [0] [0] while a selection is flashing, to remove it. To change selections just enter a new selection over them.

## Access Online Music Titles

To enter a specific music selection, you may do it by title rather than number. This procedure works from the view mode screen (as shown), the manual-selection entry screen and the function-button programming screen. You may use this procedure whenever a four-digit selection number is flashing.

Step

**1**

MO 3:15P SRCH L6 OFF  
0000 0000 0000 0000

Press [**cursor▼**] to open the title index. Select between user selections, chime & harp or bell ringing libraries then press [**ENTER**].

Select Series:  
**Chime & Harp**

**2**

Music Title Index  
ABCDEFGHIJLMNOPRS

Use [**cursor◀**] or [**cursor▶**] to select where in the alphabet to open the alphabetical listing then press [**ENTER**].

**3**

O Beautiful for  
Spacious Skies

Use [**cursor▼**] or [**cursor▲**] to scroll through the listing until you find the selection you desire. If you wish to move to another alphabetical index point, press [**CANCEL**] then return to step 2.

**4**

MO 3:15P SRCH L6 OFF  
1174 0000 0000 0000

Press [**ENTER**] to use the displayed title. The four-digit selection number will be automatically entered into the editing screen. The next selection field will flash.

## Play Selection(s) Using the Manual Mode

- |   |   |  |
|---|---|--|
| <p><i>Step</i></p> <p><b>1</b></p>  | <p>N 3:07 PM MON 07-24</p> <p>Swng Peal Toll Hymn</p>         | <p>If the Standby screen (shown here) is not displayed, press <b>[CANCEL]</b> to return to Standby mode. Press <b>[ENTER]</b> for the Select Menu.</p>           |
| <p><b>2</b></p>   | <p>Select Menu</p> <p>View <b>Manual</b> Setup</p>            | <p>Press <b>[cursor▶]</b> to select Manual, then <b>[ENTER]</b>.</p>   |
| <p><b>3</b></p>   | <p><b>Edit</b> Play NONSTOP</p> <p>1225 001 Time(s)</p>       | <p>The display will show the last program played in the Manual mode.</p>   |
| <p><b>4</b></p>   | <p>Edit <b>Play</b> NONSTOP</p> <p>1225 001 Time(s)</p>       | <p><b>To Play a previously created program:</b><br/>Press <b>[cursor▶]</b> to get to play. Go to step 6 to continue using this program.</p>                      |
| <p><b>5</b></p>   | <p>MO 3:15P SRCH L6 OFF</p> <p>1225 001 Time(s)</p>           | <p><b>To Edit/Create a program to play:</b><br/>Select <b>Edit</b> by pressing <b>[ENTER]</b>.</p>   |
| <p><b>6</b></p>   | <p>MO 3:15P SRCH L6 OFF</p> <p>1174 <b>0000</b> 0000 0000</p> | <p>Enter the new selection number and then number of times to repeat. Enter zero then <b>[ENTER]</b> for repeat if you wish to play more than one selection.</p> |
| <p>The lower line holds up to four selections, or one selection repeated from 1 to 199 times.</p> |   |  |
| <p><b>7</b></p>   | <p>Edit <b>Play</b> NONSTOP</p> <p>1225 001 Time(s)</p>       | <p>Press <b>[ENTER]</b> to select <b>Play</b>. Press <b>[ENTER]</b> to cue the program.</p>  |
| <p><b>8</b></p>   | <p>ENT: Play CAN: Quit</p> <p>Ready to Play</p>               | <p>The selection remains ready to play for up to one hour. To play, press <b>[ENTER]</b> again. To cancel the performance, press <b>[CANCEL]</b>.</p>            |

Hint: Pressing **[ENTER]** when the last three selections are 0000 will display the repeat field. Pressing **[0]** then **[ENTER]** when the number of repeats is flashing will display the three additional selection fields.

Stop a Selection or Reject the Entire Performance  
(Manual Mode, continued)

*1*

3:10 PM MON 07-24  
Playing 1225

The current time and the selection number will be displayed until the selection is completed. If additional selections have been entered, the system will retrieve the next one.

*2*

ENT: Play CAN: Quit  
Ready to Play

The next selection will start to play if NONSTOP has been selected. If STOP was selected, the system will wait for you to press **[PLAY]** on the remote control or **[ENTER]** on the front panel to continue. You may also press the red buttons marked **[STOP]** or **[CANCEL]** to reject the next selection.

3:14 PM MON 07-24  
Operator Cancel

While a selection is playing, you may reject it by pressing **[CANCEL]**. If additional selections are programmed, the system will continue to play them unless you press **[CANCEL]** (twice).

*3*

3:14 PM MON 07-24  
Canceling All...

After double clicking the **[STOP]** or **[CANCEL]** buttons, the display will indicate that all selections were cancelled.

*4*

Edit **Play NONSTOP**  
1225 001 Time(s)

After the last selection is complete, the system will remain in the Manual screen for two minutes to allow you to play or edit additional performances. You may press **[CANCEL]** to quit sooner.

## Set the Automatic Play Schedule

Step

1

N 3:07 PM MON 07-24  
Swng Peal Toll Hymn

Press **[ENTER]** for the Select Menu.

2

Select Menu  
**View** Manual Setup

When the Menu screen is flashing that you want, press **[ENTER]** to execute it.

3

SU 9:30A SRCH L6 OFF  
0000 0000 0000 0000

This is the time slot navigational mode. Press **[cursor▼]** or **[cursor▲]** to set the day. Press **[cursor▶]** to move to the time fields, then **[cursor▼]** and **[cursor▲]** to set the hour and minute of the time slot you wish to program.

4

SU 9:30A SRCH L6 OFF  
1225 1464 1313 0000

Press **[ENTER]** and the first selection will flash (this is the programming mode. Four digit selections may be directly entered from the Selections Catalog. Four zeros will clear a selection. Pressing **[cursor▲]** will allow random selections and pauses to be entered. See page 11 for selection entry.

5

SU 9:30A SRCH L6 OFF  
1225 1464 1313 0000

Press **[ENTER]** to save the program in memory. Go back to step 3 to set additional times to play. The selections will carry forward to subsequent time slots.

6

N 3:07 PM MON 07-24  
Swng Peal Toll Hymn

Press **[CANCEL]** to return to Standby mode.

While a selection is flashing:

**[cursor▲]**= **R** (Random Music Group)

**[cursor▲][cursor▲]**= **P** (1 to 5 Minute Pause)

**[cursor▼]**= Online Title Catalog

## Review the Automatic Play Schedule

Step

1

N 3:07 PM MON 07-24  
Swng Peal Toll Hymn

Press **[ENTER]** for the Select Menu.

2

Select Menu  
**View** Manual Setup

Press **[ENTER]** again to select **View**.

3

SU 9:30A **SRCH** L6 OFF  
0000 0000 0000 0000

Press **[cursor▶]****[cursor▶]****[cursor▶]** to select **SRCH** (search).

4

SU 9:30A **SRCH** L6 OFF  
1225 1464 1313 0000

Press **[cursor▼]** and **[cursor▲]** to step forward and backward through the schedule. Only time slots with selections scheduled to play (on the lower line) will be displayed. To check time strike and level settings (top right line), select the day, hour or minute using **[cursor◀]** and **[cursor▶]**, then step through the schedule.

5

N 3:07 PM MON 07-24  
Swng Peal Toll Hymn

Press **[CANCEL]** to return to Standby mode or **[ENTER]** to edit the displayed time slot (step 4 on page 15).



## Make Changes to the Automatic Play Schedule

- Step*
- 1 

N 3:07 PM MON 07-24  
Swng Peal Toll Hymn

 Press **[ENTER]** for the Select Menu.
  - 2 

Select Menu  
**View** Manual Setup

 Press **[ENTER]** for the View Mode.
  - 3 

MO 3:15P **SRCH** L6 OFF  
0000 0000 0000 0000

 Press **[cursor▶][cursor▶][cursor▶]** to select **SRCH** (search).
  - 4 

SU 9:30A **SRCH** L6 OFF  
1225 1464 1313 0000

 Press **[cursor▼]** and **[cursor▲]** to step forward and backward through the programmed schedule. To go to a time slot without a program, select the day, hour or minute using **[cursor◀]** and **[cursor▶]**, then step through the schedule by time or day.
  - 5 

SU 9:30A SRCH L6 OFF  
**1225** 1464 1313 0000

 Press **[ENTER]** and the first selection will flash. Four digit selections may be directly entered over old ones. Four zeros will clear a selection. Pressing **[cursor▲]** will allow random selections and pauses to be entered.
  - 6 

SU 9:30A SRCH L6 TS  
1225 1464 1313 0000

 To change volume level and time strike settings, use the **[cursor▶]** and **[cursor◀]** to cause them to flash. Numeric buttons 1 through 8 may be used to enter new volume levels. Press **[cursor▲]** when Time Strike status is flashing to select between WMN and Strike modes. Press **[cursor▼]** to disable clock striking.
  - 7 Press **[ENTER]** to save the changes in memory. Go back to step 4 to make further changes.
  - 8 Press **[CANCEL]** to return to Standby mode.

## Set the Time Clock

The latest temperature compensated crystal clock circuitry gives the clock accuracy greater than +/- two minutes per year. Periodic checks and settings of the clock may be necessary to insure accurate operation of the system. The clock is factory set to your local time before shipment and should not require setting at the time of installation.

- |                         |   |  |
|-------------------------|---|--|
| <i>Step</i><br><b>1</b> | N 3:07 PM MON 07-24<br>Swng Peal Toll Hymn          | Press <b>[ENTER]</b> for the <b>Select Menu</b> .  |
| <b>2</b>                | Select Menu<br>View Manual <b>Setup</b>             | Press <b>[cursor▶]</b> to select <b>Setup</b> , then <b>[ENTER]</b> .  |
| <b>3</b>                | Time Strike <b>Set Time</b><br>Change Disc Function | Press <b>[cursor▶]</b> to select <b>Set Time</b> , then <b>[ENTER]</b> .   |
| <b>4</b>                | 3:10 PM MON 07-24<br>Year = 2006 <b>Set Time</b>    | Use <b>[cursor◀]</b> and <b>[cursor▶]</b> to select hour, minutes, month, day and year, then use <b>[cursor▲]</b> and <b>[cursor▼]</b> to change settings. |
| <b>5</b>                | Setting Real Time<br>Clock...                       | Use <b>[cursor▶]</b> to select <b>Set Time</b> and press <b>[ENTER]</b> to start the clock.  |

## Set Time Strikes and Volume Levels (Globally)

- |                         |  |   |
|-------------------------|--|---|
| <i>Step</i><br><b>1</b> | N 3:07 PM MON 07-24<br>Swng Peal Toll Hymn             | Press <b>[ENTER]</b> for the Main Menu.   |
| <b>2</b>                | Select Menu:<br>View   Manual <b>Setup</b>             | Press <b>[cursor▶]</b> to select <b>Setup</b> , then <b>[ENTER]</b> .   |
| <b>3</b>                | <b>Time Strike</b> Set Time<br>Change Disc   Function  | Press <b>[ENTER]</b> to select the <b>TimeStrike</b> screen.  |
| <b>4</b>                | <b>12A</b> to 12A   LEVEL: 6<br>SUN . . SAT   SET PROG | Use the <b>[cursor▼]</b> and <b>[cursor▲]</b> buttons to change the beginning time.   |
| <b>5</b>                | 12A to <b>12A</b> LEVEL: 6<br>SUN . . SAT   SET PROG   | Press <b>[cursor▶]</b> to select ending time, then change with <b>[cursor▼]</b> and <b>[cursor▲]</b> . The program will be set from the beginning time up to, but not including, the ending time. For example: 8A to 10P will program from 8:00 AM to 9:59PM. |
| <b>6</b>                | 12A to 12A <b>LEVEL: 6</b><br>SUN . . SAT   SET PROG   | Similarly, select and change the beginning day, ending day, and the program type/level as shown in the table below.   |
| <b>7</b>                | 12A to 12A   LEVEL: 6<br>SUN . . SAT                   | Select <b>Set Program</b> and then press <b>[ENTER]</b> to put the selected program into schedule memory.   |
| <b>8</b>                | Modifying<br>Program Memory                            | When finished, press <b>[CANCEL]</b> . You should verify all changes using the <b>View/Edit Schedule</b> mode screen.   |

|                   |          |
|-------------------|----------|
| level:1 (Softest) | FULL WMN |
| Level:2           | HALF WMN |
| Level:3           | TOP WMN  |
| Level:4           | WMN STK  |
| Level:5           | FULL STK |
| Level:6 (Normal)  | HALF STK |
| Level:7           | TOP STK  |
| Level:8 (Loudest) | TS OFF   |

## Reprogram the Remote Control Function Buttons

Follow these steps to reprogram the four function buttons at the top of the front panel keypad and on the remote control.

- |                         |   |   |
|-------------------------|---|---|
| <i>Step</i><br><b>1</b> | N 3:07 PM MON 07-24<br>Swng Peal Toll Hymn          | Press <b>[ENTER]</b> for the Select Menu.   |
| <b>2</b>                | Select Menu:<br>View Manual <b>Setup</b>            | Press <b>[cursor▶]</b> to select <b>Setup Menu</b> , then <b>[ENTER]</b> .  |
| <b>3</b>                | Time Strike Set Time<br>Change Disc <b>Function</b> | Press <b>[cursor▶]</b> to select Function then press <b>[ENTER]</b> .   |
| <b>4</b>                | <b>F1</b> Swng Wait Nonstop<br>1123 001 Time(s)     | Use <b>[cursor▼]</b> to select which function button (F1-F4) to reprogram then press <b>[ENTER]</b> .   |
| <b>5</b>                | F1 Swng Wait Nonstop<br>1123 001 Time(s)            | Input the new selection number (see <b>To Enter Selections</b> on the next page) and number of times to repeat. Press <b>[0]</b> then <b>[ENTER]</b> in the repeat field if you wish to play more than one selection. |
| <b>6</b>                | F1 <b>Swng</b> Wait Nonstop<br>1123 001 Time(s)     | Press <b>[cursor▶]</b> to select the button label. You may select each letter and change it using the <b>[cursor▲]</b> and <b>[cursor▼]</b> buttons.  |
| <b>7</b>                | F1 Swng Wait <b>Nonstop</b><br>1123 001 Time(s)     | Select and change WAIT/NOW! and STOP/NONSTOP flags by pressing <b>[cursor▶]</b> to select the desired field and then <b>[cursor▲]</b> to change the options.  |
| <b>8</b>                | <b>F1</b> Swng Wait Nonstop<br>1123 001 Time(s)     | Press <b>[ENTER]</b> to save your changes then <b>[CANCEL]</b> to exit when the function number is flashing.  |

A single selection may be repeated up to 199 times. To change from multiple selections (shown below) to a single selection for repeating, zero out the last three selections and press **[ENTER]**. WAIT means you will have to press **[ENTER]** or **[PLAY]** after selecting the function. NOW! plays immediately. STOP will wait for **[ENTER]** or **[PLAY]** after each selection programmed.

# *Introduction to the System*

The Chime Master<sup>®</sup> carillon system is a product of digital audio technology. This system plays musical selections recorded on digital discs. A unique control program provides unparalleled flexibility when used in churches, town halls, banks, cemeteries, and colleges to name a few possible installations. You may select any of the over 600 musical selections that can be loaded into the system for playing any time and in any order.

Bell functions, such as swinging, striking, pealing, tolling and Angelus bells are provided with the system. These bells can ring manually or automatically at preset times.

Included with the bell functions are time strike functions. These functions include the Westminster quarter hour and hour strikes. Any quarter hour of the day may be programmed to use the Time Strike function.

## **Care of the Discs**

When holding discs, do not touch the signal surfaces. Hold by the edges, or by one edge and the center hole. Do not affix gummed labels or tape to the label surfaces. Also, do not scratch or damage the label.

Discs rotate at high speed inside the unit. Do not use damaged (cracked or warped) discs. Return any warped or damaged disc to Chime Master<sup>®</sup> Systems for replacement.

**Cleaning discs:** Since the discs are stored in the unit, dust and dirt should not accumulate on them unless the unit is installed in a very dusty area. The presence of fingerprints or smudges on the surface of the disc may directly affect the recorded signals.

Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer periphery. If a disc becomes very dirty, dip a soft cloth in water and after wringing out well, wipe the dirt away gently. Then remove remaining water drops with a soft dry cloth.

Do not use record cleaning sprays or anti-static agents on the discs. Also, never clean the disc with benzene, thinner, or other volatile solvent since damage to the disc surface may result.

Chime Master System discs have a lifetime warranty and will be replaced when they become unusable. Contact our Customer Service Department for assistance.

## **General Maintenance**

Clean the cabinet as you would any fine furniture with a soft cloth. The control panel should be cleaned with only a soft moist cloth. A cleaning solvent or abrasive cleaner will scratch the surface of the panel.



# *Program Installation/Configuration*

Your Chime Master® Systems carillon has been designed to be used in a variety of environments. To configure the system to meet the requirements of your particular needs, we have provided the following installation menu. It allows you to make selections for automatic settings for everything from Daylight Saving Time adjustments, to chime choices, to selecting the type of music you wish the carillon to play from several random selection lists (described in the Selections Catalog).

If your system was pre-programmed at the factory, INSERT the disc magazine before turning power on. If your system was NOT pre-programmed, turn power on and go into set-up mode described in this section. Make certain all speakers and power cords are properly connected.

**Important note:** Buttons on console will not work and programming changes cannot be made without key inserted and turned on!!!

## **Installation/Configuration Menu (Clears Setup and Schedule Memories)**

Use this procedure to completely reset the carillon, or to verify the installation settings.

1. Unlock the key-lock by turning the key clockwise.
2. Switch OFF the power and wait five seconds.
3. Turn the power back ON while holding the red [CANCEL] button. A configuration screen will appear (see configuration examples below).
4. Continue to hold the red [CANCEL] button to view the configuration screen.
5. Release the red [CANCEL] button. The system will ask if you want to clear the program memory (see flow chart below).

Clearing the program memory assures that the ringing schedule is totally cleared. If you don't clear system memory, the system will perform a "sanity" check on the schedule. If you wish to abort the installation process without performing the schedule check, power the system off then back on without holding the [CANCEL] button.

### **Configuration Screen Examples:**

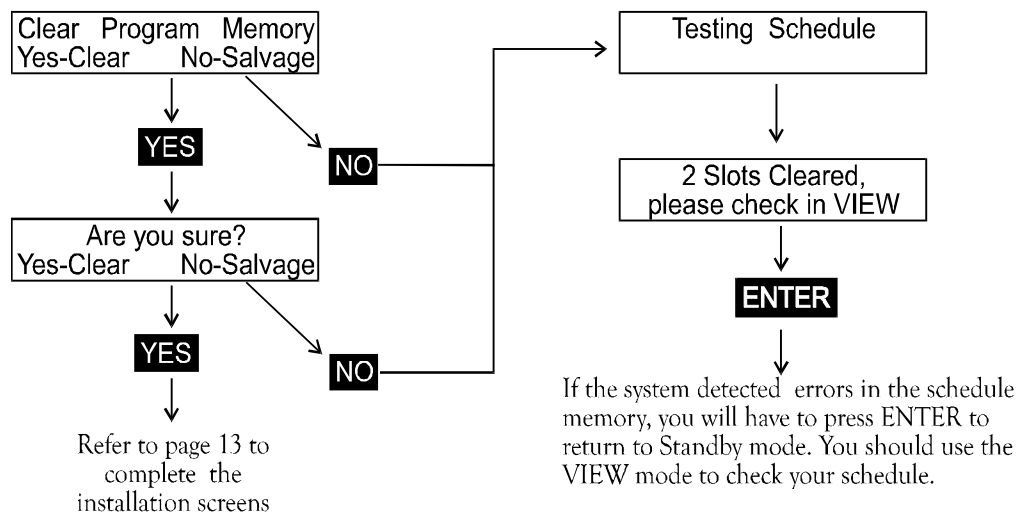
Cfg-P:Y CS:15 Tst000  
DST:Y DENOM:2 EXCL:0

This configuration screen shows the Patriotic enabled, Christmas starts on Dec. 15 (no Advent). Daylight Saving time enabled, Protestant (2) play list and no bell types are excluded.

Cfg-P:N Advnt Tst000  
DST:Y DENOM:1 EXCL:1

This configuration screen shows the Patriotic disabled, Advent enabled, Daylight Saving time enabled, Catholic (1) play-list selected and Chime and Harp bell type excluded.

**P:** Patriotic on July 4 and Memorial Day enabled (Yes or No)  
**CS:** Christmas start date (in December if Advent disabled)  
**Advnt:** will be displayed instead of CS: If Advent enabled  
**DST:** Automatic Adjust Daylight Saving Time (Yes or No)  
**DENOM:** 1 (Catholic), 2 (Protestant), 3 (Ecumenical), 4 (Secular), 5 (General)  
**EXCL:** Exclude bell type 0 (None), 1 (Chime and Harp), 2 (Cast Bell)  
**Tst:** for service reference only



## Configuration Menu (Saves Previous Schedule)

Use this method to change configuration settings (Daylight Saving Option, Patriotic Option, Advent Option and Christmas Start Date, Denomination Play List, Excluding Bell Voices) without clearing any of the programmed schedule. Make certain that the system is on and the display shows the Standby mode.

N 3:07 PM MON 07-24  
Swng Peal Toll Hymn

Step 1 Press the **[ENTER]** button

Select Menu  
View Manual **Setup**

Step 2 Select **Setup** by pressing the **[cursor▶]** button twice and pressing the **[ENTER]** button.

Time Strike Set Time  
**Change Disc** Function

Step 3 Select **Change Disc** by pressing the **[cursor▶]** button twice then press **[ENTER]** to eject the disc magazine.

Turn the power switch off, then back on to enter the configuration menu.

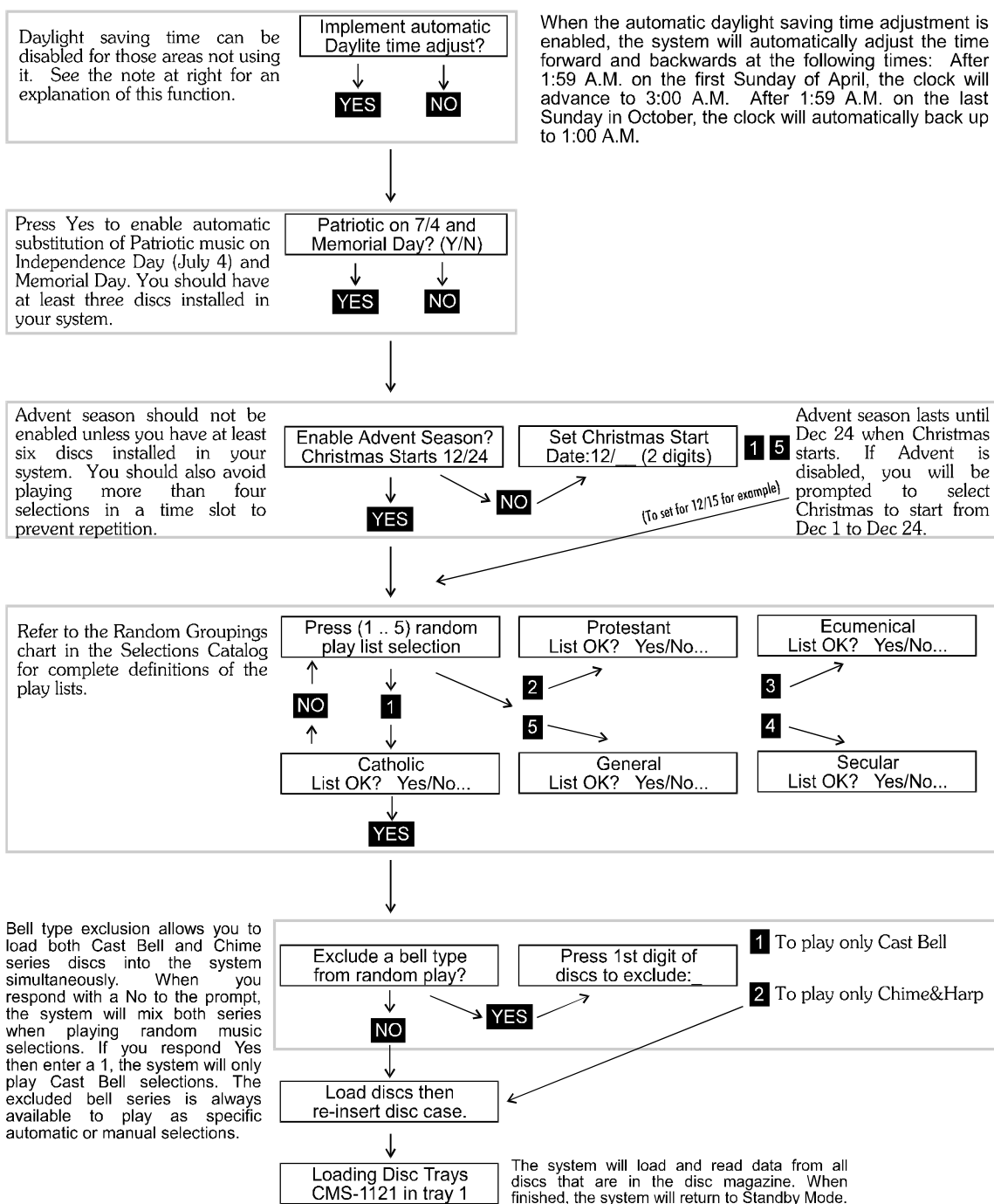


**Note:** Whenever the carillon is powered ON without the disc magazine installed, the unit will enter the configuration mode automatically.

Follow the prompts as they appear on the display screen. Press the appropriate button to answer the installation items explained in *Installation Option Menu Screens* on the next page.



## Installation Option Menu Screens





# *Standby Mode*

## **Automatic Play**

Standby mode is the normal operating mode of the system. Programmed selections and bell functions will not play automatically, unless the system is in Standby mode.

When it is time for a programmed sequence to play, the Standby light (amber) will extinguish, the Play light (green) will illuminate, and the selection numbers playing will be shown on the lower line of the display.

|            |           |      |      |
|------------|-----------|------|------|
| N 12:25 PM | WED 09-14 |      |      |
| Swng       | Peal      | Toll | Hymn |

This is the nonseasonal Standby mode Display. The system is ready to play an automatic selection.

## **Screen Saver**

After a period of keyboard inactivity (usually 2-5 minutes), the front panel display will dim and the time display will scroll across the screen. Unlocking the key and pressing a gray cursor button will restore the display to full brightness, and properly label the function buttons.

## **Automatic Reset**

If the system is left in a menu for more than two minutes or an editing screen for more than five minutes, a warning will appear on the screen that the system will reset to Standby Mode in 99 seconds. The seconds will count down on the screen until either the count reaches zero and the system resets, or you press any key to return to the previous screen.

## **Seasonal Almanac**

The seasonal almanac automatically substitutes seasonal music during appropriate times of the year. The letter in the top left corner of the standby screen shows which seasonal music list is currently selected by the Almanac. Note that if the secular play list is selected, the religious seasons will not always result in substitutions. The display, however, will always show the special seasons.

|            |           |      |      |
|------------|-----------|------|------|
| L 12:25 PM | THR 04-01 |      |      |
| Swng       | Peal      | Toll | Hymn |

During the Lenten Season, the display will show that Lenten (L) selections will be substituted when seasonal random selections are programmed.

Please refer to this complete listing to determine when seasonal music will be automatically substituted for non seasonal random music. The letter in the left column will be shown with the time in Standby Mode when the season is active.

|   |                               |   |
|---|-------------------------------|---|
| N | Non-seasonal Times            | Defaults to general hymn selections.  |
| L | Lent                          | Begins Ash Wednesday and Ends on Good Friday  |
| G | Good Friday and Holy Saturday | Will play a more meditative set of the Lenten Selections.   |
| E | Easter                        | Protestant, General and Ecumenical Systems will play from Easter Sunday through the following Sunday.<br><br>Catholic systems will play from Easter Sunday through the end of April.  |
| M | Marian                        | Catholic systems will play Marian selections in May, August 15 <sup>th</sup> , 22 <sup>nd</sup> , and December 8 <sup>th</sup> .  |
| P | Patriotic                     | Patriotic music will play on Independence and Memorial Day if the Patriotic season is enabled on the system   |
| T | Thanksgiving                  | Thanksgiving Day and the Preceding Sunday.  |
| A | Advent                        | First Sunday in Advent until December 23 <sup>rd</sup> if the Advent season is enabled on the system  |
| C | Christmas                     | If Advent is enabled Christmas will start on December 24 <sup>th</sup> . If Advent is disabled, Christmas will start on the day in December that the user selects. Christmas selections will play through January 5 <sup>th</sup> . |

|            |                |
|------------|----------------|
| E 12:25 PM | SAT 04-03      |
| Swng       | Peal Toll Hymn |

On Easter Sunday (make sure that the Time Clock is set to the correct day of the week), Easter selections will be substituted for the seasonal program.

|           |                |
|-----------|----------------|
| T 8:25 AM | THR 11-25      |
| Swng      | Peal Toll Hymn |

Thursday and Sunday, during Thanksgiving week, Thanksgiving selections will be substituted for the seasonal random program.

|            |                |
|------------|----------------|
| C 11:33 AM | THR 12-24      |
| Swng       | Peal Toll Hymn |

During the selected Christmas season Christmas Selections will substitute the seasonal random program.

## Selecting Other Modes

Pressing [ENTER] will replace the standby screen with the main “Select” menu. Three mode options are available from the main menu.



Press the [◀cursor] or [cursor▶] button until your selection flashes, then press [ENTER] to go into that menu. The three option menus are described in the next three sections.

**View Mode** allows you to look at the program schedule. It is also the gateway to the Program mode, where you may make modifications to the program schedule.

**Manual Mode** allows you to play specific or random selections whenever you choose without having to program them on the schedule.

**Setup Mode** allows you to adjust the time clock, program changes to the Time Strike function and volume levels, change the discs in the magazine and enter the Function button program.

Pressing [CANCEL] from this menu will return the system to the Standby mode.



## Setup Mode

To select the “Setup Menu” from standby mode, press [ENTER], then press the [cursor▶] button **TWICE**, and [ENTER] to bring up the main setup menu. The **Setup** mode menu display offers four items that enable you to configure your system. **Time Strike** is used to set up the **Time Strike** functions, and to set up the volume level for certain periods. **Set Time** is used to adjust the time clock. **Change Disc** allows the discs to be changed in the disc magazine. **Function** provides for programming of the four function buttons.

|             |        |       |
|-------------|--------|-------|
| Select Menu |        |       |
| View        | Manual | Setup |

To enter Setup mode, press the [ENTER] button to get the main menu selection display. Use the [◀cursor] or [cursor▶] button to cause Setup to flash, then press [ENTER]

|             |          |
|-------------|----------|
| Time Strike | Set Time |
| Change Disc | Function |

Use the [◀cursor] and [cursor▶] buttons to select Time Strike, Set Time, Change Disc or Function.

### Installing the Discs

When you first receive your Chime Master® carillon, the disc magazine will be packaged separately. Remove it from the packaging and gently insert it into the console before turning the unit on. To change the discs, please follow these simple instructions.

|             |          |
|-------------|----------|
| Time Strike | Set Time |
| Change Disc | Function |

Use the [◀cursor] or [cursor▶] buttons to select Change Disc.

To eject the disc magazine, select the **Change Disc** sub-menu from the **Setup** menu and press [ENTER]. The magazine will be ejected, and removed from the unit.

Please review *Care of Discs* on page 21 prior to loading discs. Insert up to six of the supplied discs into the magazine. If any bell functions are desired, disc 1121 must be installed in tray #1. Tray #1 is the top tray.

### Loading the Disc Magazines

1. Pull out only one disc tray. (**Pulling out more than one tray at a time can damage the magazine.**) Tabs on the side of the magazine help in selection of the trays.
2. Install the discs with the label side faced **down** in the tray.
3. Return the disc tray back to its original position.
4. Insert other discs by repeating steps (1) to (3).



### Caution!

- Only pull out one disc tray at a time. (When a disc tray has been pulled out, do not pull out other disc trays.)
- Insert discs label side downward. If discs are inserted label side upward, it will not be possible for them to be played.
- Objects other than Chime Master® System discs (Hymn cards, explanations of disc contents, etc.), must never be inserted into the disc trays.
- Do not touch the playing surface of discs (the plain iridescent side) with hands or fingers.
- The label side of the disc is actually more susceptible to damage from scratches. Handle the discs carefully.

Once the disc magazine is replaced, the system will read each disc to find out what selections are available to fill the random play lists. The display will show the catalog number of the disc in each tray. Discs that have additional information on them may take longer to read.

## Setting the Time Clock

The latest temperature compensated crystal clock circuitry gives the clock accuracy greater than +/- one minute per year. Periodic checks and settings of the clock may be necessary to insure accurate operation of the system. The clock is factory set to your local time before shipment and should not require setting at the time of installation.

|             |          |
|-------------|----------|
| Time Strike | Set Time |
| Change Disc | Function |

Use the [**◀cursor**] and [**cursor▶**] buttons to select the Set Time set up menu.

Choosing **SET TIME** allows you to set the current time, day of the week and the date. Use the [**◀cursor**] and [**cursor▶**] buttons to select the digit(s) to change, then the [**cursor▲**] and [**cursor▼**] buttons to effect the change.



**Note:** To change the current settings, the [**cursor▲**] button subtracts one from the selected digit and the [**cursor▼**] button adds one to selected digit.

Once all settings are correct, select the **Set Time** on the lower line of the display (it will be blinking when selected), press [**ENTER**]. When [**ENTER**] is pressed, the real time clock will be updated to the displayed settings. Pressing the [**CANCEL**] button will abort the Set Time menu without making any changes to the actual time settings.



**Note:** Be certain to properly set all of the time parameters, including: AM, PM, day and date. Easter Sundays and Leap Year adjustments will only work properly if the Year is correctly set.

|           |           |
|-----------|-----------|
| 11:05 AM  | TUE 09-25 |
| Year=2006 | Set Time  |

Use the [**◀cursor**] and [**cursor▶**] buttons to choose the parameter to change. Since minor adjustments are more frequently made, the minute digit is flashing on entry.



|           |           |
|-----------|-----------|
| 11:06 AM  | TUE 09-25 |
| Year=2006 | Set Time  |

Use the [**cursor▼**] button to increase settings, and [**cursor▲**] button to decrease settings.

|           |           |
|-----------|-----------|
| 11:06 AM  | TUE 09-25 |
| Year=2006 | Set Time  |

Pressing the [**ENTER**] button will set the clock to the displayed time. Move to Set Time with the [**◀cursor**] or [**cursor▶**] button. [**CANCEL**] will abort changes. In either case, the display will return to the Setup menu.

## Programming Time Strike Parameters

Please read over this entire section prior to making any settings. Several decisions need to be made at this time concerning the time of day you wish the clock to sound, how loud you want the clock to sound, and what sound you want the clock to make!

|             |          |
|-------------|----------|
| Time Strike | Set Time |
| Change Disc | Function |

Use the [**◀cursor**] or [**cursor▶**] button to select the Time Strike setup menu. Press [**ENTER**].

|            |          |
|------------|----------|
| 12A to 12A | LEVEL:6  |
| SUN .. SAT | SET PROG |

Use the [**◀cursor**] and [**cursor▶**] buttons to move around the screen. Use the [**cursor▲**] and [**cursor▼**] buttons to change times, days, volume level, and strike option. Changes may be made to the item that is flashing.

Upon entering the Time Strike menu, the displayed time shall appear as the example shown above. '12A to 12A' shows that all 15-minute intervals of the 24-hour day are selected. 'SUN .. SAT' shows that all the days of the week are selected. Therefore, the initial display covers all periods in the program schedule. This default setting will always appear when you enter this screen. This does not mean that those are the current settings. The only way to check current settings is to go into the "View" mode and check individual times. This is explained on page 39.

It is helpful to set the largest blocks of time first. Set the starting time field (to the left of 'to') to the time that you want to start the time strike mode. From 12A you will use [**cursor▼**] to select another starting time. Next, press [**cursor▶**] to get to the ending time field. From 12A you will use [**cursor▲**] to select an ending time.



**Note:** Each hour specified in this screen represents only four quarter-hours. So, '01PM to 02PM' specifies the range including 1:00 P.M., 1:15 P.M., 1:30 P.M. and 1:45 P.M. 2:00 P.M. is not included in the range and will not be programmed. If '10A to 09P' is displayed, 10:00 A.M. to 8:45 P.M. is selected (to but not including 9:00 P.M.).

The system will not allow you to reverse the starting and ending times. Once the ending time is set to the hour following the starting time it will go no earlier. Attempting to set the starting time past the ending time will push the ending time ahead so that it is always at least an hour after the starting time.

Press [**cursor▶**] to select the starting day. Pressing either [**cursor▲**] or [**cursor▼**] will allow you to set the starting day to any day of the week. Press [**cursor▶**] to select the ending day. Pressing either

[**cursor▲**] or [**cursor▼**] will allow you to set the ending day to any day of the week. When the starting day and ending day are the same, only that day will be programmed. If ‘SUN .. SUN’ are set, only Sunday will be programmed. If ‘FRI .. MON’ are set, Friday, Saturday, Sunday and Monday will be programmed. ‘SUN .. SAT’ will program every day of the week.

To select a **TIME STRIKE** option, use the [**◀cursor**] or [**cursor▶**] button to make **LEVEL:6** flash.

The Time Strike Setup menu allows you to program the manner in which the system chimes the time. There are three basic modes for the time strike: **OFF**, **STRIKE (STK)**, and **WESTMINSTER(WMN)**. There are eight options for these features.

|            |          |
|------------|----------|
| 07A to 11P | FULL WMN |
| MON .. FRI | SET PROG |

When the upper right portion of the display is flashing, the [**cursor▲**] and [**cursor▼**] buttons sequence through the menu of volume levels and time strike options.

The three basic modes will act differently, depending on the quarter of the hour being chimed. These modes are: **OFF**, the clock chime system is off, no chimes or clock strikes will occur on the hour. **STRIKE**, in which at the top of the hour, a bell shall strike the hour, and on all other quarters may strike once. **WESTMINSTER**, in which on the top of the hour, the full Westminster chimes shall play, followed by striking of the hour. On all other quarters, the appropriate Westminster chimes will play. These modes are displayed in the **View mode** for each quarter hour as **OFF**, **STK** and **WMN**. The eight options take the three modes and apply them to each quarter hour, as follows:

|   |  |
|---|--|
| <b>TS OFF (Time Strike OFF)</b><br>:00 - OFF<br>:15 - OFF<br>:30 - OFF<br>:45 - OFF                     | <b>FULL WMN (Full Chimes)</b><br>:00 - WMN<br>:15 - WMN<br>:30 - WMN<br>:45 - WMN    |
| <b>HALF WMN (1/2 hour Chimes)</b><br>:00 - WMN<br>:15 - OFF<br>:30 - WMN<br>:45 - OFF                   | <b>TOP WMN (Top Chime)</b><br>:00 - WMN<br>:15 - OFF<br>:30 - OFF<br>:45 - OFF       |
| <b>WMN STK (Chime with ½ hour single strike)</b><br>:00 - WMN<br>:15 - OFF<br>:30 - STK<br>:45 - OFF    | <b>FULL STK (Full Strike)</b><br>:00 - STK<br>:15 - STK<br>:30 - STK<br>:45 - STK    |
| <b>HALF STK (Hour Strike, ½ hour single strike)</b><br>:00 - STK<br>:15 - OFF<br>:30 - STK<br>:45 - OFF | <b>TOP STK (Top Hour Strike)</b><br>:00 - STK<br>:15 - OFF<br>:30 - OFF<br>:45 - OFF |

Using the [**cursor▲**] and [**cursor▼**] buttons will rotate through the level settings and the **Time Strike** option settings. Continue pressing the [**cursor▲**] or [**cursor▼**] button until the desired time

strike option is visible. Since the block of time does not change after setting the program for the time strike, you may set the volume level as well for the same block of time. The volume level setting function is described in the next section.

Any programs displayed in the upper right corner of the display will be written into the program schedule when **SET PROG** is selected and the **[ENTER]** button is pressed for the times and days shown on the left side of the display.

Select **SET PROG** and press **[ENTER]** for each change you wish to make.

|            |          |
|------------|----------|
| 07A to 11P | FULL WMN |
| MON .. FRI | SET PROG |

This display shows that when SET PROG is selected and **[ENTER]** pressed, the Full Westminster function will be programmed from 7:00 A.M. until 10:45 P.M. on Monday through Friday.



**IMPORTANT:** Double check the settings made to see that they are correct before pressing **[ENTER]**.

The program modifications available in the Time Strike menu are ongoing in nature. They will continue on as scheduled until the program is changed. To make program changes to specific times on the program schedule, refer to page 40, "Setting/Changing the Program Schedule".

What you see is set in memory. Both the Time strike option and Level setting may be made over the same time period. Select **SET PROGRAM** and press **[ENTER]** each time. Different time strike types and level settings may be entered for different times and days.

After all settings are completed, press **[CANCEL]** twice to return to Standby mode.

## Programming Loudness (Volume Level)

The loudness of your carillon may be preset to specific levels for various times of the day. This is accomplished using the **Time Strike** menu. Eight preset levels are available, **Level:1** being the softest and **Level:8** the loudest. **Level:6** is pre-programmed at the factory to be the normal play level. Select the desired level by using the **[cursor▲]** and **[cursor▼]** buttons to index through the Time Strike types. The loudness levels follow the time strike types. Select **SET PROG**, press **[ENTER]** then exit with **[CANCEL]** button, if finished.

|            |          |
|------------|----------|
| 11P to 07A | Level:3  |
| SUN .. SAT | SET PROG |

Example display showing a reduction in level for the night hours. Depending on the location of the installation, Time Strikes may be played all night at reduced levels.

The attenuation for each level setting is:

|                     |           |                      |
|---------------------|-----------|----------------------|
| 8 - +4 dB (maximum) | 5 - -2 dB | 2 - -10 dB           |
| 7 - +2 dB           | 4 - -4 dB | 1 - -14 dB (minimum) |
| 6 - 0 dB (standard) | 3 - -6 dB |                      |

## Programming Function Buttons

|            |                |
|------------|----------------|
| N 12:25 PM | WED 09-14      |
| Swng       | Peal Toll Hymn |

This is the non-seasonal Standby mode display. The system is ready to play an automatic selection. You may also select preset bells or a random Hymn to play by pressing the black button directly under your choice, then pressing **[ENTER]** to play.

You may select a swinging, pealing, tolling bell or play a Hymn by making your selection with the function buttons, ([1], [2], [3] or [4]) directly below the label on the screen. After making your selection, the screen will prompt you to press **[ENTER]** to play or, **[CANCEL]** not to play. These four buttons are duplicated on the optional remote control unit. The **FUNCTION** option in the setup menu allows you to reprogram the function buttons. These come factory programmed for Swing, Peal, Toll and Hymn.

Each function button may be programmed to play up to four selections, or repeat a single selection up to 199 times. In addition, the four letter label above the function button can be customized to describe the function performed.

|                   |
|-------------------|
| Select Menu:      |
| View Manual Setup |

To enter the "Select Menu", Setup mode, press the **[ENTER]** button to get the main menu selection display. Use the **[◀cursor]** or **[cursor▶]** button to cause Setup to flash, then press **[ENTER]**.

|             |          |
|-------------|----------|
| Time Strike | Set Time |
| Change Disc | Function |

Use the **[◀cursor]** or **[cursor▶]** button to select Function then press **[ENTER]**.

|                      |
|----------------------|
| F1 Swng NOW! NONSTOP |
| 1123 001 Time(s)     |

The first function button program will be displayed. To view the other three functions, press the **[cursor▼]** button while the function button number is flashing.

|                      |
|----------------------|
| F1 Swng NOW! NONSTOP |
| 1123 001 Time(s)     |

Press **[ENTER]** to make changes to the function program. This screen shows a single selection programmed to play once.

The **[ENTER]** button switches the flashing cursor between the function button number and the programming fields to the right of it. When the **[ENTER]** button is pressed, the first selection will flash, showing that changes can be made to the program. As long as the function number is not flashing, the **[◀cursor]** and **[cursor▶]** buttons move the flashing selection cursor around the screen. Changes can be made to any function button by inserting preferences from the "Selection Catalog". Note: If changes are made to the function buttons, you may want to re-label the onscreen display. This is done by highlighting the individual letters and changing them using the **[cursor▼]** and **[cursor▲]** buttons.

Pressing **[ENTER]** while a programming field is flashing, commits any changes made to memory. Pressing the **[CANCEL]** button instead of **[ENTER]** will abort modifications and retrieve the original

settings to the screen from memory. Whenever the function button number (F1, F2, F3, or F4) is flashing, the [cursor▲] and [cursor▼] buttons move from one function button to another.

**WAIT/NOW! function.** In the **WAIT** mode the function button must be pushed (on the main console or the remote) and then the **PLAY** or **ENTER** button must be pushed.

On the main console you will see,

|   |
|---|
| ENT: Play CAN: Quit<br>Ready to Play Hymn |
|---|

If you are in the **NOW!** mode, only the function button needs to be pushed. Reminder: the keyed switch must be on to use any function from the main console.

**STOP/NONSTOP function.** In the stop mode, the carillon will play one selection and then stop until [ENTER] (or **PLAY** on the remote) is pressed, or to repeat itself. In the Non-stop mode it will play until all the selected music is completed.

### To Enter More Than One Selection

When only one selection is currently programmed, press the [cursor▶] button to select the number of times to play the single selection. Pressing zero then [ENTER] will clear this field and allow up to three more selections to be programmed.

|   |
|---|
| F4 Hymn WAIT NONSTOP<br>1225 0000 0000 0000 |
|---|

This screen demonstrates what a multiple selection program looks like. The four selections will be queued to play when the #4 button on the main console or the **F4** button on the remote is pressed.

### To Repeat a Single Selection

If a single selection is entered into a function which had multiple selections previously programmed, enter zeros into the second selection location until the second, third and fourth selections are zeros. Press the [ENTER] button to make '001 Time(s)' display. The number of times to repeat (one to 199) may now be entered.



# View Mode/Set Program

View mode enables you to see what has been programmed to play at various times of the week. Besides viewing the program schedule, you may modify it at specific periods. The carillon system is programmable at 15-minute intervals. We will call these intervals time slots. If you wish to play a selection at a time not falling on an even quarter-hour time, up to three pauses from one to five minutes in length may be programmed to precede the selection. This allows you to position the time that a selection plays at any minute of the hour.

|             |        |       |
|-------------|--------|-------|
| Select Menu |        |       |
| View        | Manual | Setup |

To enter the View mode, press the **[ENTER]** button to get the menu selection display. Use **[◀cursor]** or **[cursor▶]** button to cause View to flash, then press enter.

## Viewing the Program

Before making changes to the program schedule, you will probably want to look at it. When entering **View** mode, the selections programmed for the next quarter hour are displayed. For example, if it is 11:08 A.M. Wednesday when you enter the View mode, you will see the program for 11:15 A.M.. This is the next programmable 15-minute time slot. When entering the View mode, you will always see the next time slot to play.

|      |       |      |      |     |
|------|-------|------|------|-----|
| WE   | 1:15P | SRCH | L6   | WMN |
| 0000 | 0000  | 0000 | 0000 |     |

This display shows that the quarter hour Westminster time strike will play at 1:15 P.M. at volume level six, with no other selections to follow.

Using the **[◀cursor]** or **[cursor▶]** buttons, you can cause the hours, the minutes or SRCH to flash. When the day of the week is flashing pressing the **[cursor▲]** or **[cursor▼]** buttons will move the day backward or forward. If the Hour is flashing, the display is moved an hour at a time. If the minutes are flashing, the display moves 15 minutes (one time slot) at a time.



**NOTE:** Make sure you are on the proper day as stepping through hours and minutes may change the day. Always check the display before pressing **[ENTER]** to make certain the selections and the time are correct.

## Checking the Program Schedule (View Mode)

It is a tedious operation to step through the program schedule 15 minutes at a time, to see if any selections are programmed. If the **[◀cursor]** button is pressed while the day of the week is flashing, **SRCH** will begin to flash. Pressing the **[cursor▲]** and **[cursor▼]** button will search backward or forward for programmed selections. We call this the **View Search mode**. If the day and time do not change, there are **NO** automatic selections programmed.

|      |       |      |      |     |
|------|-------|------|------|-----|
| WE   | 1:15P | SRCH | L6   | WMN |
| 0000 | 0000  | 0000 | 0000 |     |

This display shows the times and days that selections are programmed to play. When SRCH is flashing, press the **[cursor▲]** and **[cursor▼]** buttons to show the program times and days of the week along with the selection numbers.



**Note:** When **SRCH** is blinking, only time slots that have selections programmed will be scanned. Time slots with time strike functions programmed without other selections will be skipped.

## Setting/Changing the Program Schedule (Program Mode)

When you want to set up or change the current time slot settings, press the **[ENTER]** button to cause the first selection number to flash. You may use the **[◀cursor]** or **[cursor▶]** button to select the setting you wish to change. Whenever the program settings are flashing, the system is in the Program mode.

|          |      |      |      |
|----------|------|------|------|
| MO 8:00P | SRCH | L6   | OFF  |
| 0000     | 0000 | 0000 | 0000 |

Any selection number from any disc in the magazine can be programmed to play at a specific time on a given day of the week. Up to four selections can play at any 15-minute period. The lower line of the display in View mode shows the four selections that are programmed for the selected time slot. Unless it is a random selection or a pause, each selection number is represented by four digits. All zeros show that no selections are programmed.

After you have made changes to the time slot program settings, and you are sure that they are correct, pressing the **[ENTER]** button will save them into the program schedule memory. The time of the slot (or **SRCH** if in View Search mode) will again flash. The system is again in the View mode. The settings viewed at this time reflect what is in the program schedule memory.

If after making changes to the time slot settings, you wish to restore the old settings, you may do so by pressing the **[CANCEL]** button. The system returns to the View mode without making changes to the program schedule memory.

When the time strike selection is flashing on the display, depressions of the **[cursor▲]** button will select between Westminster and Strike options. The **[cursor▼]** button will select OFF.

After the time strike option is set, pressing the **[ENTER]** button will exit the Program mode so that you may select another time slot. If you have made a mistake and wish to restore the original setting, pressing the **[CANCEL]** button instead of **[ENTER]** will restore the previous settings and exit the Program mode. If you wish to change additional parameters, the **[◀cursor]** or **[cursor▶]** button will select additional parameters to change, and the system remains in the Program mode.

|          |      |      |      |
|----------|------|------|------|
| MO 8:15P | SRCH | L6   | WMN  |
| 0000     | 0000 | 0000 | 0000 |

When the time strike field is flashing, pressing the **[cursor▲]** and **[cursor▼]** button selects between Westminster (WMN), Strike (STK), and OFF.

## Online Title Lookup

In the **VIEW** and **MANUAL** editing screens, whenever a selection is flashing, you may access a catalog of selections. Press the **[cursor▼]** or **(NO)** button. The “Select Series” screen will appear with the library option listed. These options may include:

Chime and Harp – Pre-recorded two part arrangements



Cast Bell Carillon – Pre-recorded full carillon arrangements

Special Functions – Bugle call, different bell ringing sizes/options, random groups, etc.

You may access these options by pressing the [cursor▲] or [cursor▼] buttons. When the library desired is listed press the [ENTER] button. Use the [◀cursor] or [cursor▶] button to select the initial position in the alphabetical listing and press [ENTER]. Use the [cursor▲] or [cursor▼] buttons to browse through the listing until you find the selection you wish to use. Only selections available with the discs currently loaded will be shown. When the title you wish to use is on the display, pressing [ENTER] will return the screen to the edit menu and the number of the selection will have been programmed, and the next selection field will blink.

To delete a selection, press the zero button four times. Selections to the right of the deleted selection will move left to fill the gap. Consequently, be careful not to delete a selection that you want to keep. To replace another selection, simply key in the new selection on top of the old.

If you enter an invalid number, or a selection that is not loaded into the system, a warning screen will appear. Press any button to re-enter the number.

|          |      |      |      |
|----------|------|------|------|
| MO 8:15P | SRCH | L6   | OFF  |
| 0000     | 0000 | 0000 | 0000 |

To program a specific selection, use the number buttons to enter the four digit selection number.

|          |      |      |      |
|----------|------|------|------|
| MO 8:15P | SRCH | L6   | OFF  |
| 1123     | 0000 | 0000 | 0000 |

The next available position in the selection sequence begins to flash when all four selection digits are keyed in.

|          |      |      |      |
|----------|------|------|------|
| MO 8:15P | SRCH | L6   | OFF  |
| 1123     | 1456 | 1234 | 1345 |

To delete a selection from a sequence, use the [◀cursor] or [cursor▶] button to cause it to flash. Then key in four zeros to delete the selection.

|          |      |      |      |
|----------|------|------|------|
| MO 8:15P | SRCH | L6   | OFF  |
| 1123     | 1234 | 1345 | 0000 |

The selections to the right of the deleted selection move left so that the sequence is continuous. To replace a selection, enter the new selection over the old.

## Selection Carry Forward

When you program several time slots with the same selections, the carry forward feature will greatly reduce the amount of button pushing required. Whenever you program selections into a time slot that previously had none, these selections are also stored into a temporary memory bank.

After you move to a new time slot, with no previously programmed selections, and press the [ENTER] button, the selections from the temporary memory bank are copied into the display. If you wish to carry these selections to another time slot, move to that slot and press [ENTER] again. If you would rather program a different set of selections, press the [CANCEL] button and then the [ENTER] button again to clear them.

If you are modifying time slots with existing selections programmed, the Selection Carry Forward feature is disabled so that selections will not be disturbed.

As an example (assuming no other programming has been done), let's say that Sunday morning at 9:00 A.M. we want to ring the Call to Worship swinging bell. In addition, every day at noon, we want to play two general hymn selections. At 6:00 P.M., we want to play two meditative hymn selections. Press the [ENTER] button to get the Main menu. Press it again to enter the View mode.

Use the [cursor] buttons, as described previously, to select SU 9:00 A.M. and press the [ENTER] button to go into the Program mode. Press 1123 then [ENTER] to program the Call to Worship bell. Pressing [ENTER] will save that entry and return the screen to the View mode.

Use the [cursor] buttons to select 12:00 P.M. Pressing the [ENTER] button will copy the 1123 into the selection list, but that is not what we want. The '1123' should be flashing. Now press the numbered selections desired or 'YES' '1' 'YES' '1' then the [ENTER] button to program two R1 selections.

Press the [◀cursor] button to make SU flash and press the [cursor▼] button to select Monday. Press the [ENTER] button twice. The two selections are programmed into Monday. Press the [cursor▼] button then [ENTER] twice for Tuesday. Press the [cursor▼] button then [ENTER] twice for Wednesday. Repeat until Saturday is programmed.

Press the [cursor▼] button to select Sunday again, then press the [cursor▶] button to make the hour flash. Press the [cursor▼] button until 6:00 P.M. is selected. Press the [◀cursor] button to make the day flash. Pressing the [ENTER] button will copy two R1 selections into this time slot, but we want two R3 selections. Press YES, 3, YES, 3 and then [ENTER] to program two R3 selections.

Press the [cursor▼] button to select Monday. Press [ENTER] twice. Repeat the [cursor▼] button then [ENTER] twice sequence until Saturday is programmed.

## Programming Random Selections

The ability to play selections at random, substituting appropriate seasonal selections, is the hallmark of the Chime Master® carillon system. When your system was installed, it was programmed to play from one of five random play lists. Consult the page titled **Installation Notes** in the back of this manual to verify which Random Play List has been selected for your system. There is a table in the **Selections Catalog** that describes the random music groupings (R numbers) for all possible installations and seasons. The following table summarizes these groupings for Protestant and Catholic installations during non-seasonal times.

| Protestant               | Catholic              |
|--------------------------|-----------------------|
| R1 Groups R2 to R4 below | R1 All groups below   |
| R2 Traditional Hymns     | R2 Traditional Hymns  |
| R3 Meditative Hymns      | R3 Eucharist Hymns    |
| R4 Evangelical Hymns     | R4 Marian Hymns       |
| R5 Revival/Camp-meeting  | R5 Contemporary Hymns |

When a random selection is programmed to play, it is shown on the View mode display with an 'R' and a number (R1 through R5). This number represents the random category from which the selection will be randomly chosen. Note that the selections are randomly sequenced, and that all selections available for a category will be played equally as often.

To program a random selection, follow the instructions in the previous section, except press the [cursor▲] button instead of the first digit of the selection. One depression of the [cursor▲] button will cause a 'R' to appear on the display. Pressing the [cursor▲] button a second time will cause a 'P' to appear. This is used to program pauses, as described in the next section.

Once the 'R' is on the display, pressing a number button from one to five will select the random category from which to sequence the selection.

|          |      |      |      |
|----------|------|------|------|
| MO 8:15P | SRCH | L6   | OFF  |
| 0000     | 0000 | 0000 | 0000 |

To program a random selection, press the [cursor▲] button to cause an 'R' to be displayed.

|          |      |      |      |
|----------|------|------|------|
| MO 8:15P | SRCH | L6   | OFF  |
| R_       | 0000 | 0000 | 0000 |

Then press a number button to show which random category the selection is to be sequenced from. This is a number from one to five.

|          |      |      |      |
|----------|------|------|------|
| MO 8:15P | SRCH | L6   | OFF  |
| R2       | 0000 | 0000 | 0000 |

The next position in the selection sequence will begin to flash when the random selection is entered.

For a detailed seasonal listing of Random Group Categories, please refer to the **Selections Catalog** included with the system.



**Note:** Using 0701 and 0702 allows automatic selection of non-seasonal music during Lent, Easter, Thanksgiving and Christmas seasons.

## Random Selection Block Functions

Special music functions allow the carillon to play for a predetermined length of time. The listing below shows 10, 15 and 30-minute modes. This is not the length of play, but refers to what time the music will stop. The next selection will not begin if there is less than one minute of play time remaining. If a selection is still playing at the stop time, it will fade out before stopping.

- :10 Plays until 5 minutes before next quarter hour (h:10, h:25, h:40 or h:55)
- :15 Plays until next quarter hour (h:15, h:30, h:45 or h:00)
- :30 Plays through present quarter hour and an additional quarter hour period, and if the clock is set to strike during the period, it will not strike.

|      |                                  |      |              |
|------|----------------------------------|------|--------------|
| 0701 | :15 Group R1 (Non-seasonal only) | 0710 | :30 Group R2 |
| 0702 | :30 Group R1 (Non-seasonal only) | 0711 | :10 Group R3 |
| 0703 | :15 Group R1                     | 0712 | :15 Group R3 |
| 0704 | :30 Group R1                     | 0713 | :30 Group R3 |

0707 :10 Group R1  
0708 :10 Group R2  
0709 :15 Group R2

0714 :10 Groups R4 and R5  
0715 :15 Groups R4 and R5  
0716 :30 Groups R4 and R5



**Note:** Using 0701 and 0702 provide random selections of non-seasonal music during Lent, Easter, Thanksgiving and Christmas seasons.

### Documenting Your Schedule

We have provided an Input Sheet that you should use to decide what you want to play each week. The Input Sheet allows you to document the day and time that a particular selection is to play. There is also a place to write the title of the selections. When the selection is a random selection, write out the group type, such as Hymns in the title column.

As you enter each selection into the program schedule, make a check in the OK column. Documenting your program this way will make things easier for the next person who needs to make a change.

### Loudness Program Parameters

Usually the loudness is set for blocks of time, using the time strike setup mode (See: *Setup Mode Programming Loudness*, on page 35). You may wish to adjust the loudness for a particular time, such as ringing the noon bell for the whole community. The Loudness setting can also be modified with the Program mode.

To do this, use View mode to find the time slot you wish to modify. Then enter the Program mode for the time slot you wish to change, by pressing the [ENTER] button. Use the [cursor▶] button to cause the current loudness setting to flash. This is an 'L' followed by a number. 'L8' is the loudest setting, and 'L1' is the quietest setting. The installer of your system preset the amplifier level controls to allow a normal setting of 'L6.' To change the setting, press a number button between '1' and '8', or use the cursor buttons.

|          |      |      |      |
|----------|------|------|------|
| MO 8:15P | SRCH | L6   | OFF  |
| 0000     | 0000 | 0000 | 0000 |

Pressing a number button from 1 to 8 selects a respective volume level. The [◀cursor] or [cursor▶] buttons select the other parameters in the program mode. The [CANCEL] button aborts changes, and the [ENTER] button saves changes. This changes loudness only for the time shown.

### Other Special Bell Functions

The following 0700 series Special Bell Function selection numbers may also be used. 0700 series functions may not be followed by any other selections.

0705 - 15 Second Swinging Bell

0706 - 15 Second Pealing Bells



Because 0700-series numbers finish out the quarter hour, they must be entered as the only or last selection in the individual time slot. Specific selections or pauses may be used prior to the 0700-series numbers.

## Pauses and Playing at Non Quarter Hour Times

A program pause may be inserted (one to five minutes) before selections for special programming effects or to set the specific number to play.

The pause is entered by pushing the "YES" button twice to select "P" and the length of the pause is selected by the numeric buttons. "P" and "R" alternate when you press the [cursor▲] (scroll-up) button for the first digit of the selection number.

For example, let's say you wish to play a selection at 9:55 A.M.. At the 9:45 A.M. time slot, program two five-minute pauses ahead of the selection by pressing [cursor▲],[cursor▲], 5, and [cursor▲],[cursor▲], 5. At 9:45 the system will wait 10 minutes before playing the selection.

Exercise caution when programming pauses between selections. A programmed pause merely waits for the minute that is one to five minutes ahead of the time that the pause is encountered in the sequence. If at 8:30 a selection plays which is three and one-half minutes in length, followed by a programmed two-minute pause, the selection following the pause will play at 8:35:00, not 8:35:30 or 8:37, but at the nearest full minute.

|                      |
|----------------------|
| MO 8:30P SRCH L6 OFF |
| P_ 0000 0000 0000    |

To program a Pause, press the [cursor▲] button to cause an 'R' to be displayed. Press it again to cause a 'P' to be displayed. Then press a number button to specify the length of time in minutes the system is to pause. This is a number from one to five.

|                      |
|----------------------|
| MO 8:15P SRCH L6 OFF |
| P2 0000 0000 0000    |

The next position in the sequence will begin to flash when the pause is keyed in. Whatever selection is entered here will play at 8:17 P.M.

### EXAMPLE:

|                      |
|----------------------|
| MO 8:15P SRCH L6 OFF |
| 1123 P5 0703 0000    |

In this example, the Call to Worship Bell will ring, pause for five minutes and then play random selections from the seasonal catalog for the remainder of the quarter hour.



# Manual Mode

The Manual mode allows you to suspend the automatic play mode to use the system during special events. Appropriate music for events such as weddings or graduations can be found in the Selections Catalog. Manual mode can be programmed ahead of time, because it remembers the selections programmed to play. It is like a programmable function button that you can play immediately.

|            |           |      |      |
|------------|-----------|------|------|
| N 12:25 PM | WED 09-14 |      |      |
| Swng       | Peal      | Toll | Hymn |

This is the Standby mode display. Press the **[ENTER]** button to reach the Main Menu display.

|             |        |       |
|-------------|--------|-------|
| Select Menu |        |       |
| View        | Manual | Setup |

To enter the Manual mode, press the **[◀cursor]** or **[cursor▶]** button to cause Manual to flash, then press **[ENTER]**.

|      |             |         |
|------|-------------|---------|
| Edit | Play        | NONSTOP |
| 1148 | 001 Time(s) |         |

The initial display for Manual mode has Edit flashing. Use the **[◀cursor]** or **[cursor▶]** button to choose between Edit and Play, followed by **[ENTER]**. The lower line shows the selections programmed to play.

Use the **[◀cursor]** or **[cursor▶]** button to select between 'Edit' and 'Play'. When 'Play' is flashing, pressing **[ENTER]** will retrieve and cue the first selection. Note that pressing **[PLAY]** on the remote control while 'Play' is flashing will not cause the selection to play. 'ENT: Play CAN: Quit' must be displayed on the screen for the **[PLAY]** button to work.

When 'Edit' is flashing, press **[ENTER]** and the first selection will flash, make desired changes to the program. Press **[ENTER]**, the changes will then be entered into memory. "Play" should be flashing. If you do not wish to play the selections at this time, you can abort the performance by pressing **[CANCEL]**. When the display says 'ENT: Play CAN: Quit.', pressing the **[CANCEL]** button will return you to the "Manual Mode" screen. If you do not play the selection, the program will hold your selection for one hour (During this time, all other programming is suspended). Your settings will be saved.

|                  |
|------------------|
| Manual Play Mode |
| Retrieving...    |

Pressing **[ENTER]** after programming the selections to play, or when 'Play' is flashing if you wish to repeat a previous performance, causes the system to retrieve the selections for playing.

|               |           |
|---------------|-----------|
| ENT: Play     | CAN: Quit |
| Ready to Play | 1234      |

When the selection is ready to play, you may press **[ENTER]** (or **PLAY** on the remote control) to start the performance, or press **[CANCEL]** to abort the performance

|              |           |
|--------------|-----------|
| 2:13 PM      | SAT 07-23 |
| Playing 1234 |           |

The current time will be displayed with the selection number as the selection plays

### To Enter More Than One Selection

(See page 37.)

|      |      |         |      |
|------|------|---------|------|
| Edit | Play | NONSTOP |      |
| 1543 | 1156 | 1438    | 0000 |

This screen demonstrates what a multiple selection program looks like. The three selections will be queued to play when the [ENTER] button is pressed.

### To Repeat a Single Selection

(See page 37.)

### Programmable Toller

The selection repeat feature may be used to cause a tolling bell to ring a specific number of times. The single strike (selection 1105) is typically used for funeral tolls, which is a heavier bell than the one-minute tolling bell. The number of repeats may be set to the age of the deceased. You may also use the single strike to strike for a specific length of time. A repeat value of 35 will ring for five minutes, 70 for 10 minutes, etc.

### STOP or NONSTOP

(See page 37.)



# *Using the Remote Control*

## **Programmable Functions of the Remote Control**

The four function selection buttons duplicate the buttons labeled [1], [2], [3], [4]) on the front panel of the carillon. When the unit is in the Standby mode, these four buttons allow special functions to be played. The base unit does not need to be unlocked (key in slot and turned) for the remote to work.

The red **STOP** button on the remote duplicates the [**CANCEL**] button on the front panel. Whenever the system is playing, pressing stop will cause the selection to fade away. If a function with multiple selections is programmed, then the next selection in the sequence may play after the current one is canceled. To cancel all selections, press [**STOP**] at least two times.

When a function selection is ready to play, the green [**PLAY**] button duplicates the action of the [**ENTER**] button on the front panel.

## **Operational Tips**

The remote provides a line of sight transmission of about 100 feet. Any mass of metal between the transmitter and receiver will inhibit proper operation. You may also discover a few dead spots where the unit may not operate, even though you are closer than 100 feet.

For best results, the top of the transmitter should be pointed toward the system. Operation from metal cabinets or tables will probably not be satisfactory.

If the transmitter is operated next to microphones or microphone cables, it is possible that the PA system will pick up a noise, similar to a telephone ring tone. Avoid operation in close proximity to PA equipment and wiring.





# Troubleshooting Guide

In Standby mode, the system is continuously performing diagnostics. If it detects something out of the ordinary, it will attempt to correct itself without operator intervention. If that is not possible, it locks up and displays a message. Although this can be an inconvenience, it is better than racing to the church in the middle of the night to shut the bell system down. Rarely, one of the following messages may appear on your display. If this happens, follow the procedure listed below the message. If your system is doing any other strange things that are not described below, turn the power switch off for about 10 seconds, then back on.

## Error in Program Schedule Detected

|                         |
|-------------------------|
| Program is corrupted    |
| Yes-Clear    No-Salvage |

If a power outage that surges on and off rapidly occurs (which often accompany high winds and storms), program memory may be affected. The corruption is usually minor and so we have provided a way to salvage as much of it as possible.

Should you select **YES** to reinitialize the program, or select **NO** to salvage? The answer depends on how complex your program is to key in, or if you have an adequate record of it at all. The least amount of time and effort will be spent if you press **NO** to salvage what you can. When you elect to salvage, each time slot is checked and will be cleared if any invalid selections are found. Also any slots programmed between **11:00 P.M.** and **6:00 A.M.** will be cleared. Be sure to check the schedule with View mode after resetting (refer to *View Mode*, on page 39).

If you say **YES**, you must answer many questions from the installation menu. You may wish to refer to *Program Installation, Entering the Installation Menu (clear memory)* on page 23.

## Blank Screen



Due to rare interruptions of program process, the screen may appear blank for a period which should not exceed 15 minutes. If it does exceed this period, turn off the power to the system or unplug it from the wall receptacle for about 10 seconds, then power back on or plug the system back into the wall receptacle. The program should resume after resetting itself to normal.

## Time Clock Errors

|                         |
|-------------------------|
| Clock Error (E)         |
| View    Manual    Setup |

A clock error means that invalid data has been found in the time clock registers. Set the clock from the **Setup, Set Time** menu, then check system operation manually. If you get a Clock Error (S), showing that the clock has stopped, and you can't restart it by setting the time, the clock's battery may be low. Call the factory for service information.

## Disc Drive Error

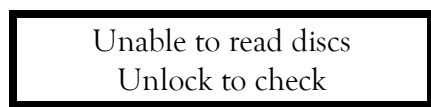
|                  |
|------------------|
| Disc Drive Error |
| Reset and Test   |

This message shows that the disc drive has had several consecutive failures trying to play. This may show that the disc drive needs a full reset.

1. Turn the power off and wait five seconds.
2. Turn the power back on while holding in the red **[CANCEL]** button on the front panel.
3. Hold down **[CANCEL]** button until a **Configuration** display appears (about fifteen seconds).
4. Release the **[CANCEL]** button.
5. Turn the power off, wait five seconds, and turn power back on (without pressing any buttons).
6. When the standby mode screen comes on, eject the disc magazine and reinstall it (see page 15).
7. After all discs have loaded, test that the system is operational by pressing **4** to play a random hymn.

If the discs do not load properly in step 6, make sure they are installed correctly with the label side down. If the unit still will not accept the disc magazine, call the factory for service information.

### Disc Reading Error



discs, then replace the magazine.

This message occurs when the system has failed in an attempt to read the discs. It will not eject the disc magazine if the system is locked. Unlock the key lock to eject and inspect the

### No Sound

If no sound is heard either from the tower or from the monitor speaker when the display shows that a selection is playing, follow this checklist.

1. ***Determine that the system is actually playing properly. Is the colon on the time display flashing?*** If not turn the power off and then back on. Try playing a selection manually or with a function button.
2. Are connections to the amplifier at fault? Make sure that all cables are plugged in completely.
3. Is the amplifier at fault? Try plugging the amplifier power cord into a wall socket. Does the green power light come on?
4. When the unit is playing, a yellow Signal present light on the amplifier should flash with the music.

If sound can be heard from the monitor speaker, but not from the tower follow this checklist.

1. Make sure that the tower switch (amplifier power) is in the on position and that the green light comes on brightly while the system is playing.
2. Check that the tower speaker cable is properly attached to the amplifier output terminals.
3. Check the tower speaker cable for shorts between the conductors.

### Returning the System for Service or Upgrades

Call for Return Authorization. Do not return equipment without calling (800) 344-7464 for return authorization. We probably can help you avoid returning the equipment. Should your equipment need to be returned, the customer service representative will provide you with the address of the service station.

## Ready The Unit for Packing

*Eject the Disc Magazine.* Important! The unit may be damaged if shipped with the magazine installed. Skip this step ONLY if unit is unresponsive.

Turn the key to the unlocked position (fully clockwise) and press the **[ENTER]** key to get the main menu on the screen. Press the **[cursor▶]** button twice, or until SETUP blinks, then press **[ENTER]**. The setup menu will be displayed. Press the **[cursor▶]** button twice again, or until CHANGE DISC blinks, then press **[ENTER]**. The disc magazine will eject.

*Turn the System Off.* Turn the key to the locked position (fully counter-clockwise) and remove the key. The main power switch is on the rear of the unit.

*Put the disc magazine and key where they will be safe until your unit is returned to you, unless instructed otherwise.*

*Disconnect Cables.* Unplug the power cord from the rear of the carillon control unit. Unplug the audio cables from the rear of the unit. Do not send any of the cables that are not permanently attached, with the unit.

## Use Only Original Chime Master® Systems Packaging

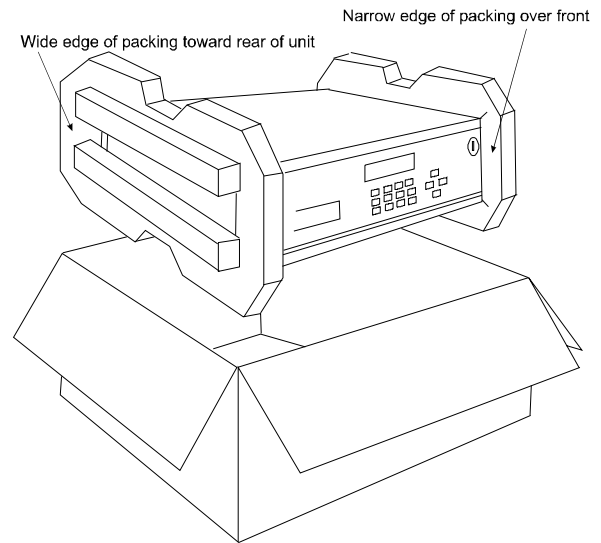
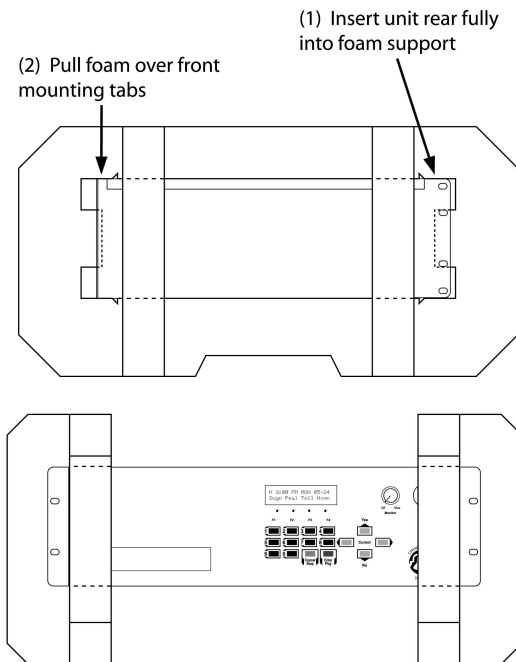
*Locate original packing.* Your warranty will be voided if your system arrives with shipping damage due to improper packing. If you cannot find your original boxes with foam packing materials as described below, call us to order a new box with packing. A \$25.00 charge is made for the shipping package.

Packing Materials:     (1) Box, 24 by 24 by 12 inches  
                              (2) Blocks of green foam packing

Address the unit to be returned for upgrades or service to:

**Service Department RMA # (will be provided by Customer Service)**  
**Chime Master Systems**  
**6312 Goss Road**  
**Sugar Grove, OH 43155**

*Packaging Your Unit.* With your unit facing you, attach the green foam packing to each side. This will protect your unit from moving around in the box and possibly **becoming damaged**. The illustration on the left shows how to pack a unit with rack mount ears.



## *Angelus Prayer Bells*

Angelus (3-3-3) followed by a Four-Bell Peal

|                       |
|-----------------------|
| MO 12:00P SRCH L6 OFF |
| 1120 0000 0000 0000   |

Angelus (3-3-3) followed by a Swinging Bell

|                       |
|-----------------------|
| MO 12:00P SRCH L6 OFF |
| 1120 1123 0000 0000   |

Standard one-minute Angelus

|                       |
|-----------------------|
| MO 12:00P SRCH L6 OFF |
| 1117 0000 0000 0000   |

Angelus DeProfundus

|                      |
|----------------------|
| MO 8:00P SRCH L6 OFF |
| 1124 0000 0000 0000  |

Slower 3-3-3 With a larger bell (can be followed by a Peal or Swinging Bell)

|                      |
|----------------------|
| MO 8:00P SRCH L6 OFF |
| 1107 1107 1107 0000  |

See the Selections Catalog for other bell functions.

# *Model Six Warranty*

## **Golden Warranty**

## **Five Years Parts**

## **Five Years Labor**

Chime Master® Systems warrants to the original consumer purchaser (Buyer) that this Chime Master® Model Six laser disc carillon shall be free from defects in material and workmanship for a period of five (5) years after the original date of shipment to the Buyer. This is a limited warranty limited to its terms. This warranty is void if the product has been altered, misused, taken apart or otherwise abused. **ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED ARE EXCLUDED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PURPOSE.**

Buyer's Remedies: Chime Master System's obligations and liabilities under the foregoing warranty are limited to repair or replacement, at the option of Chime Master Systems, of the product without charge, provided it is shipped prepaid to a Chime Master Systems Factory-Authorized Service Center. The product must be accompanied by proof of the date of purchase satisfactory to Chime Master Systems, and by a Return Merchandise Authorization (RMA) number issued by Chime Master Systems. It is the responsibility of the Buyer to properly pack the unit for safe return, using the packing provided with the system. For an RMA number and the location of the nearest authorized service center contact Chime Master Systems, 6312 Goss Rd., Sugar Grove, OH, (800) 344-7464. A charge is made for repairing after the expiration of the warranty. **IN NO EVENT SHALL Chime Master Systems BE LIABLE FOR CLAIMS BASED UPON BREACH OF EXPRESS OR IMPLIED WARRANTY OR NEGLIGENCE OR ANY OTHER DAMAGES WHETHER DIRECT, IMMEDIATE, FORESEEABLE, CONSEQUENTIAL OR SPECIAL OR FOR ANY EXPENSES INCURRED BY REASON OF THE USE OR MISUSE, SALE OR FABRICATIONS OF PRODUCTS WHICH DO NOT CONFORM TO THE TERMS AND CONDITIONS OF THIS CONTRACT.**

The provisions of the foregoing warranty are valid in the United States only.

Excluded from this warranty are defects caused by wear and tear, misuse, neglect, shipping damages, alterations or modifications, or any act of nature. Such determinations will be made by Chime Master Systems.

It is the Buyer's responsibility to program this carillon to play at reasonable sound levels, and at appropriate times. Buyer agrees to hold Chime Master Systems harmless from, defend, and indemnify Chime Master Systems against damages, claims and expenses arising out of subsequent use of this product and based upon personal annoyance, discomfort, injuries, deaths, property damages, lost profits and other matters for which Buyer, its employees and members are or may be to any extent liable.

Every reasonable effort has been made to ensure that Chime Master Systems product manuals and promotional materials accurately describe the product's specifications and capabilities at the time of publication. However, because of ongoing improvements and updating of Chime Master Systems' products, Chime Master Systems cannot guarantee the accuracy of printed materials after the date of publication and disclaims liability for changes, errors or omissions.

**IMPORTANT NOTICE: THIS WARRANTY IS IN EFFECT, ONLY IF SYSTEM IS CONNECTED TO A PROPERLY GROUNDED 120 VOLT 60 CYCLE ALTERNATING CURRENT RECEPTACLE WITH AT LEAST 8 AMPERES DESIGNATED FOR THE CHIME MASTER SYSTEM.**



## *Installation Notes*

Date Installed\_\_\_\_\_

Installed By\_\_\_\_\_

See Program Installation Section, page 9, for installation procedure.

Refer to the Selections Catalog for further information on Random Play Lists and Groups.

Auto Daylight Savings Adjust?                      Yes        No

Patriotic Season Enabled?                            Yes        No

Advent Season Enabled?                                Yes        No

    If Advent Not Enabled, Christmas Starts December \_\_\_\_\_

Random Play List (circle one):

    1 - Catholic

    2 - Protestant

    3 - Ecumenical

    4 - Secular

    5 - General

Exclude a Bell Sound        No        Yes Exclude

# *Input Sheet*

## Weekly Schedule (View)

| Circle all that apply            | Time | Sel 1 | Sel 2 | Sel 3 | Sel 4 | TS | Remark |
|----------------------------------|------|-------|-------|-------|-------|----|--------|
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |
| SU - MO - TU - WE - TH - FR - SA |      |       |       |       |       |    |        |

## Time Strike/Level (Set-Up)

| FROM |      | TO  |      | Time Strike Mode or Level |
|------|------|-----|------|---------------------------|
| Day  | Time | Day | Time |                           |
|      |      |     |      |                           |
|      |      |     |      |                           |
|      |      |     |      |                           |
|      |      |     |      |                           |
|      |      |     |      |                           |
|      |      |     |      |                           |

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