

Table 2-4. Menu & Command Descriptions

Code	Description
* SERVICE MODE *	- Is the title of the MAIN menu. This menu is the beginning menu for all the other menus. All of the options in this menu are names for other menus. The table that follows contains descriptions of all of the menu options. Enter two, three, or four digit commands from the * SERVICE * MODE display.
0	SECURITY - Contains options to access and change the security levels and to change the phonograph I.D. All security code changes must be made from Security Level 3.
00	Enter Code - Allows you to enter a security code. If the security code that you enter matches either the Level 2 or Level 3 Security Code, the phonograph will go to that security level after you press POPULAR. If both Security Level 2 and Level 3 have the same code (the factory-set code for both levels is 0000), then Level 3 is allowed. When the new security level is attained, the phonograph will automatically go to Command 01, and display the new security level.
01	Security Level - Displays the current security level. This command can be used at any time to determine the security level. The phonograph automatically moves to this option and displays the new security level after you successfully enter a security code (see command 00).
02	Level 2 Security Code - Displays the Level 2 Security Code and allows the security code to be changed by entering new data, then pressing POPULAR. The phonograph must be in Security Level 3 for either of these selections to function. Write the new security code down and keep it in a safe, but accessible place. No one will be able to access Level 2 if the SECURITY OPTION 06 is turned ON and you loose the security code. This security level is intended to be used by the route man, so that he can read cash totals, reset cash totals, and initialize the phonograph. The Route man cannot change pricing or programming.
03	Level 3 Security Code - Displays the Level 3 Security Code and allows the security code to be changed by entering new data, then pressing POPULAR. The phonograph must be in Security Level 3 before this code can be displayed or changed. Write the new security code down and keep it in a safe, but accessible place. No one will be able to access Level 3 or change the security code if SECURITY OPTION 06 is turned ON and you loose the security code.
04	Phonograph I.D. - Displays the current phonograph I.D. code and allows the I.D. to be changed by entering new data, then pressing POPULAR. The phonograph must be in Security Level 3 before the I.D. can be changed. It may be viewed in Security Level 1.
05	Void Service Switch - Allows the top door of the phonograph to be closed (which normally places the SERVICE switch back into the NORMAL mode) and still remain in the SERVICE mode. Press and hold RESET. Press 9 to toggle the option ON and OFF. Press POPULAR to save the change. This option must be OFF to resume normal operation.

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
06	<p>Security On/Off - If set to OFF, Security Level 3 is automatically established when entering the SERVICE MODE.</p> <p>When security is set to ON, Level 1 is established when SERVICE MODE is entered and the proper four digit security code must be entered to access Security Level 2 or 3.</p> <p>Leave security OFF, unless you need security to prevent tampering. Hold RESET and press 9 to select ON or OFF. Press POPULAR to save your choice.</p> <p>Security can be turned ON from any security level, but it can only be turned OFF in Security Level 3.</p>
07-08	Are not used
1	AUDITS - Are the functions and menus that allow you to display and reset the various accumulated figures for money, popularity, number of plays, and credits.
10	Cash Audits - Is the menu that allows you to display, but not change, cash totals, number of coins through the coin switches, and the total number of bills.
11	Play Audits - Is the menu that allows you to display, but not change, credits, autoplays, mechanism plays, and album plays.
12	Non-resettables - Is the menu that allows you to display the ongoing totals. These totals cannot be reset from any security level.
13	Clear Disc Popularity - Clears the popularity for all discs. This option should only be used after the popularity figures (Selections 7, and 8 in this menu) have been read and recorded. Press POPULAR to perform this function. The display will blink when the command is executed.
14	Clear Cash - Clears all current cash totals. This option should only be used after the figures for Cash Audits (Selection 0 in this menu) have been read and recorded. Press POPULAR to perform this function. The display will blink when the command is executed.
15	Clear Plays - Clears all current play totals. This option should only be used after the Play Audit figures in Play Audits (Selection 1 in this menu) have been read and recorded. Press POPULAR to perform this function. The display will blink when the command is executed.
16	Clear Selection Popularity - Clears all current selection popularity. This option should only be used after Popularity Figures (Selection 9 in this menu) have been read and recorded. Press POPULAR to perform this function. The display will blink when the command is executed.
17	Display The Most Popular Disc - Displays the most popular disc number (00-99), followed by the number of plays (9999 maximum) that disc had. To display the next "Most Popular" disc, press and hold RESET and then press 3. Press and hold RESET and then press 3 to display each successive most popular disc. Press and hold RESET and then press 2 to move up through the popularity display toward the most popular disc.

You can request the popularity for a particular disc by pressing the disc number.

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
18	<p>Display The Least Popular Disc - Displays the least popular disc number (00-99) followed by the number of plays that the disc had. To display the next "Least Popular" disc, press and hold RESET and then press 2. Press and hold RESET and then press 2 to display each successive least popular disc. Press and hold RESET and then press 3 to move up through the popularity display toward the least popular disc.</p> <p>You can request the popularity for a particular disc by pressing the disc number.</p>
19	<p>Display The Most Popular Selection - Displays the most popular selection number (Disc 00-99 followed by Selection 00-99, a total of four digits), followed by the number of plays (9999 maximum) that selection had. To display the next "Most Popular" selection, press and hold RESET and then press 3. Press and hold RESET and then press 3 to display each successive most popular selection. Press and hold RESET and then press 2 to move up through the popularity display toward the most popular selection. A total of 100 selection numbers may be contained in the MOST POPULAR list.</p> <p>You can request the popularity for a particular selection by pressing the selection number (four digits).</p>
10	<p>CASH AUDITS - Allows you to display, but not change, cash totals, number of coins through the coin switches, and the total number of bills.</p>
100	<p>Current Cash - Displays the total amount of bill and coin money collected since the last time the CLEAR CASH command (Selection 4 in the AUDITS menu) was used.</p>
101	<p>Current Bill - Displays the total amount of bill money collected since the last time the CLEAR CASH command (Selection 4 in the AUDITS menu) was used.</p>
102	<p>Current Coin - Displays the total amount of coin money collected since the last time the CLEAR CASH command (Selection 4 in the AUDITS menu) was used.</p>
103	<p>Current Wallbox - Displays the total amount of money collected by wallboxes since the last time the CLEAR CASH command (Selection 4 in the AUDITS menu) was used.</p>
104	<p>Current Number Of Type 1 Coins - Displays the total number of Type 1 coins (5¢) collected since the last time the CLEAR CASH command (Selection 4 in the AUDITS menu) was used.</p>
105	<p>Current Number Of Type 2 Coins - Displays the total number of Type 2 coins (10¢) collected since the last time the CLEAR CASH command (Selection 4 in the AUDITS menu) was used.</p>
106	<p>Current Number Of Type 3 Coins - Displays the total number of Type 3 coins (25¢) collected since the last time the CLEAR CASH command (Selection 4 in the AUDITS menu) was used.</p>
107	<p>Current Number Of Type 4 Coins - Displays the total number of Type 4 coins (50¢) collected since the last time the CLEAR CASH command (Selection 4 in the AUDITS menu) was used.</p>
108	<p>Number Of Type 1 Bills - Displays the total number of Type 1 bills (\$1) collected since the last time the CLEAR CASH command (Selection 4 in the AUDITS menu) was used.</p>

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
109	Number Of Type 2 Bills - Displays the total number of Type 2 bills (\$5) collected since the last time the CLEAR CASH command (Selection 4 in the AUDITS menu) was used.
11	PLAY AUDITS - Allows you to display, but not change, credits, autoplays, mechanism plays, and album plays.
110	Free Credits - Displays the number of free credits given since the last time the CLEAR PLAYS command (Selection 5 in the AUDITS menu) was used.
111	Paid Credits - Displays the number of paid credits given since the last time the CLEAR PLAYS command (Selection 5 in the AUDITS menu) was used.
112	Autoplays - Displays the number of Autoplays made since the last time the CLEAR PLAYS command (Selection 5 in the AUDITS menu) was used.
113	Mechanism Plays - Displays the number of times the mechanism has played CD's since the last time the CLEAR PLAYS command (Selection 5 in the AUDITS menu) was used.
114	Album Buys - Displays the number of times albums have been bought since the last time the CLEAR PLAYS command (Selection 5 in the AUDITS menu) was used.
115	Most Popular plays - Displays the number of times that the POPULAR button was used to select the most popular selection since the last time the CLEAR PLAYS command (selection 5 in the AUDITS menu) was used.
116	Normal Selections - Displays the number of selections made from the keyboard.
117	Overplay Counter - Displays the number of overplays selected since the last time the CLEAR PLAYS command (Selection 5 in the AUDITS menu) was used.
	The overplay counter is part of the CCC's memory, which keeps track of how many duplicate selections were made. A selection is considered to be a duplicate if it has been entered, but the CCC has not sent the selection number to the CD mechanism controller.
12	NON-RESETTABLES - These totals for cash, plays, and credits can be displayed from any security level, but they cannot be reset from any security level. These totals constitute the permanent phonograph history.
120	Cash - Displays total cash (bill and coin) received by the phonograph.
121	Bill - Displays total bill cash received by the bill acceptor.
122	Coin - Displays total coin cash received by the coin acceptor.
123	Wallbox - Displays total cash received by all wallboxes.
124	Free - Displays total free credits.
125	Paid - Displays total paid for credits.

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
126	Most Popular - Displays the total number of Most Popular selections made with the POPULAR button.
127	Mechanism - Displays the total number of mechanism cycles.
128	Album - Display total album buys.
129	Selections - Displays the total number of selections made using the keyboard.
2	ATTRACT - This menu sets ATTRACT MODE ON or OFF and defines the ATTRACT MODE's characteristics.
20	Attract Mode - Displays and toggles the ATTRACT MODE. Hold RESET while pushing 9 to toggle ON or OFF. Press POPULAR to save the change.
21	Page Mode - Displays and toggles the automatic page selection mode. Hold RESET while pushing 9 to toggle OFF, CHANGE or AD. Press POPULAR to save the change. If OFF, the automatic page change selection is disabled. If CHANGE, a page will flip when the CHANGE TIME INTERVAL (22) elapses and the phonograph is in standby. If AD, the page mechanism will park at the DISPLAY PAGE (23) location when the CHANGE TIME INTERVAL elapses and the phonograph is in standby.
22	Change Time - Displays and sets the time interval for page changes (10 minutes minimum) in minutes. Type in the new time in minutes then press POPULAR.
23	Display Page - Page to be displayed in the AD mode. Type in the new page number then press POPULAR.
24	Title Page Number Control - Controls the first and last page that can be selected from the keyboard. Type the low page number for IN then press POPULAR. Type the high page number for OUT then press POPULAR Again.
25	Title Page Speed Control - Controls the speed that the title pages will change. The ON value is the speed that the pages will turn while the phonograph is in the NORMAL mode, and the SRV value is the speed that the pages will turn in the SERVICE mode. The allowable selections are 1-9, but only Selections 3 through 8 are true speed changes. Type the new speed number for ON then press POPULAR. Type the new speed number for SRV then press POPULAR again.
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Table 2-4. Menu & Command Descriptions
Continued

Code	Description
3	INITIALIZE - This menu establishes the CD track numbers and saves them.
30	Full Initialize - Starts full mechanism initialization. Press POPULAR to select and note that the display will blink when this command is executed. All disc limits are set to 99, then as each disc is scanned, new limits are automatically entered into memory. Initialization begins when the SERVICE switch is moved to the NORMAL position. Full initialization takes about 30 minutes. During this time, selections can be played, but initialization will not continue until the phonograph is scanned out.
31	Program Initialize - Initializes specific discs automatically. Type the disc number to be initialized then press POPULAR. Type disc numbers until all disc numbers that need initializing have been entered. Initialization will begin when the service switch is moved back to the NORMAL position.
32	Disc Initialize and Track Limits - Allows you to view and change disc limits manually. To view disc limits, type the disc number. Press and hold RESET then press 3 (next disc) or 2 (previous disc) to view the next or previous disc limits. To a change a disc's limits, display the limits then press POPULAR. Type the new limits, then press POPULAR.
33	Cancel Initialization - Cancels initializations that have been started with either of the previous options (30 or 31). Press POPULAR to perform this function. The display will blink when the command is executed.
34	Initialized - Displays the number of discs that have been initialized.
35	Number Of Skips Before Log - Allows logging disc conditions without canceling selections. Type the new number, then press POPULAR. See <i>Disc Conditions in Section 5</i> for a detailed explanation of the Skip Log.
36	Skip Cancel - Determines the maximum number of times that a CD may skip while playing before it is automatically canceled. Type the new number then press POPULAR. See <i>Disc Conditions in Section 5</i> for a detailed explanation of SKIP CANCEL.
37	Time Cancel - Determines the maximum time that a CD may skip before it is automatically canceled. Type the new number then press POPULAR. See <i>Disc Conditions in Section 5</i> for a detailed explanation of TIME CANCEL.
38	Time HH:MM:-- - Displays and sets the time-of-day. Hours and minutes can be entered, seconds will begin automatically at "00" (midnight) and count to 23:59, which is the 24-hour clock, or "military time". Type the new hours and press POPULAR. Type the new minutes and then press POPULAR.

24-Hour Clock times:

The 24-hour clock starts at 00:00 (midnight) and continues to increase after 12:59 pm. Where standard time would go to 1:00, the 24-hour clock goes to 13:00. To convert the 24-hour clock to standard time, subtract 12 from any time that has hours greater than 12 (13:00 - 12 = 1:00). In the same way, 23:59 (23 - 12 = 11) is 11:59 pm.

Standard Time: Add 12 to any standard time past 1:00 pm to get the equivalent 24-hour time.

Table 2-4. Menu & Command Descriptions
Continued

Code	Description																					
39	<p>Date MM/DD/YYYY - Displays and sets the date. Any date from the year 1980 to 2087 is allowed.</p>																					
4	<p>AUTOPLAY - This menu sets AUTOPLAY ON or OFF and defines the Autoplay characteristics.</p> <p>If AUTOPLAY IS (COMMAND 40) has been set to STD, then COMMANDS 40 through 47 in this table apply.</p> <p>If AUTOPLAY IS (COMMAND 40) has been set to ENH, then COMMANDS 40 through 49 apply and you should read about how to used these commands in the <i>Enhanced Autoplay Tutorial</i> that appears at the end of this section.</p>																					
40	<p>Autoplay Is - Displays and sets the AUTOPLAY style to either STANDARD, ENHANCED, or OFF. Press and hold RESET and then press 9 to toggle between the three options and press POPULAR to select the option that you want.</p>																					
41	<p>Delay Time - Displays and sets the time between Autoplay selections. Type the number in minutes then press POPULAR. This command is used only in STANDARD Autoplay. Set TIME DELAY to 00 for continuous Autoplay (as for background music).</p>																					
42	<p>Start Time - Sets the time-of-day that Autoplay is allowed to begin making Autoplay selections. Enter the time in 24-hour format (<i>see the table that follows Stop Time</i>). Type the hour then press POPULAR. Type the minute then press POPULAR. Both the hour and minute must be changed together.</p>																					
43	<p>Stop Time - Sets the time-of-day that Autoplay will no longer be allowed to make selections. If you are not familiar with 24-hour time keeping, use the following table to help you figure the 24-hour time.</p> <table border="0" style="margin-left: 40px;"> <tr> <td>Midnight</td> <td>Is entered as 00:00 and the clock just keeps on ticking! 12:59 pm (after noon) is the same, but:</td> </tr> <tr> <td>1:00 pm</td> <td>Is entered as 13:00, and all succeeding times are entered as 12 + the hour:</td> </tr> <tr> <td></td> <td> <table border="0" style="margin-left: 40px;"> <tr> <td>12:59 pm = 12:59</td> <td>5:00 pm = 17:00</td> <td>10:00 pm = 22:00</td> </tr> <tr> <td>1:00 pm = 13:00</td> <td>6:00 pm = 18:00</td> <td>11:00 pm = 23:00</td> </tr> <tr> <td>2:00 pm = 14:00</td> <td>7:00 pm = 19:00</td> <td>12:00 am = 00:00</td> </tr> <tr> <td>3:00 pm = 15:00</td> <td>8:00 pm = 20:00</td> <td></td> </tr> <tr> <td>4:00 pm = 16:00</td> <td>9:00 pm = 21:00</td> <td></td> </tr> </table> </td> </tr> </table>	Midnight	Is entered as 00:00 and the clock just keeps on ticking! 12:59 pm (after noon) is the same, but:	1:00 pm	Is entered as 13:00, and all succeeding times are entered as 12 + the hour:		<table border="0" style="margin-left: 40px;"> <tr> <td>12:59 pm = 12:59</td> <td>5:00 pm = 17:00</td> <td>10:00 pm = 22:00</td> </tr> <tr> <td>1:00 pm = 13:00</td> <td>6:00 pm = 18:00</td> <td>11:00 pm = 23:00</td> </tr> <tr> <td>2:00 pm = 14:00</td> <td>7:00 pm = 19:00</td> <td>12:00 am = 00:00</td> </tr> <tr> <td>3:00 pm = 15:00</td> <td>8:00 pm = 20:00</td> <td></td> </tr> <tr> <td>4:00 pm = 16:00</td> <td>9:00 pm = 21:00</td> <td></td> </tr> </table>	12:59 pm = 12:59	5:00 pm = 17:00	10:00 pm = 22:00	1:00 pm = 13:00	6:00 pm = 18:00	11:00 pm = 23:00	2:00 pm = 14:00	7:00 pm = 19:00	12:00 am = 00:00	3:00 pm = 15:00	8:00 pm = 20:00		4:00 pm = 16:00	9:00 pm = 21:00	
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44	<p>On Days SMTWTFS - Allows you to select the days of the week that Autoplay can make selections. Press and hold RESET then press either 2 or 3 to move from day to day. The day currently selected will blink. Hold RESET and then press 9 to turn the day ON or OFF. Press POPULAR to save any changes.</p>																					

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
45	<p>Programmed - Displays and changes the individual selection numbers that will be played. This mode allows you have Autoplay play specific selections or discs. A maximum of 100 selections or discs can be programmed. On the menu, the two-digit number is the play sequence number and the four-digit number is the selection number.</p> <p>If no programmed selections are made, the Autoplay function will select a random disc and a random track each time Autoplay makes a selection. If one or more selections are programmed, the programmed selections will be selected. A disc number followed by two zeros can be programmed. If you request disc 6300, for example, then Disc 63 will be programmed and a random track will be played from that disc (<i>see Programming Autoplay, Premiums, Priorities, and Lockouts</i>).</p>
46	<p>Clear Programmed Mode - Clears all programmed selections entered in COMMAND 45. Press POPULAR to perform this function. The display will blink when the command is executed.</p>
47	<p>Autoplay Status - Allows you to change the AUTOPLAY STATUS immediately, without waiting for the START or STOP time of day. Hold RESET then press 9 to toggle the status ON or OFF. Press POPULAR to save the changes.</p>
48	<p>XX Cat - Assigns categories to discs in Enhanced Autoplay.</p>
49	<p>Schedule SMTWTFSS - The active days, time(s), categories, and delay(s) between Autoplay selections in Enhanced Autoplay.</p>
5	<p>PRICING - This menu allows the operator to change CD pricing, coin switch values, credit levels, credit values, credit multiplier, and Free Play value</p>
50	<p>COIN SWITCH VALUES: - Is a menu that displays and sets various coin switch values.</p>
500	<p>-----</p>
501	<p>Coin SW1 = XX - Displays and sets the #1 COIN SWITCH VALUE. Type the new value and then press POPULAR.</p>
502	<p>Coin SW2 = XX - Displays and sets the #2 COIN SWITCH VALUE. Type the new value and then press POPULAR.</p>
503	<p>Coin SW3 = XX - Displays and sets the #3 COIN SWITCH VALUE. Type the new value and then press POPULAR.</p>
504	<p>Coin SW4 = XX - Displays and sets the #4 COIN SWITCH VALUE. Type the new value and then press POPULAR.</p>
505	<p>Bill 1 = XX - Displays and sets the #1 BILL VALUE. Type the new value and then press POPULAR.</p>
506	<p>Bill 2 = XX - Displays and sets the #2 BILL VALUE. Type the new value and then press POPULAR.</p>

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
507 -----	
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509 -----	
51	PRICE LEVELS: - Is a menu that displays various credit levels.
510 -----	
511	LVL1 Price = XX - Displays and sets the price of the 1st credit level. Type the new value and then press POPULAR.
512	LVL2 Price = XX - Displays and sets the price of the 2nd credit level. Type the new value and then press POPULAR.
513	LVL3 Price = XX - Displays and sets the price of the 3rd credit level. Type the new value and then press POPULAR.
514	LVL4 Price = XX - Displays and sets the price of the 4th credit level. Type the new value and then press POPULAR.
515	LVL5 Price = XX - Displays and sets the price of the 5th credit level. Type the new value and then press POPULAR.
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518 -----	
519 -----	
52	PLAYS @ LEVEL: - Is a menu that displays and edits credit values.
520 -----	
521	LVL1 Plays = xx - Displays and sets the number of plays given for this credit level. Type the new value and then press POPULAR.
522	LVL2 Plays = xx - Displays and sets the number of plays given for this credit level. Type the new value and then press POPULAR.
523	LVL3 Plays = xx - Displays and sets the number of plays given for this credit level. Type the new value and then press POPULAR.
524	LVL4 Plays = xx - Displays and sets the number of plays given for this credit level. Type the new value and then press POPULAR.

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
525	LVL5 Plays = xx - Displays and sets the number of plays given for this credit level. Type the new value and then press POPULAR.
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529	-----
53	Multiplier - Displays and sets the coin multiplier value. For the U.S., this value is 5 (nickel). Type the new number then press POPULAR.
54	Timed Free Play - Turns ON or turns OFF the timed free play schedule. Hold RESET then press 9 to toggle ON or OFF. Press POPULAR to save the change (<i>see the Timed Free Play Example</i> in this section).
55	Free Play Status - Allows you to turn free play ON or OFF immediately without waiting for the start or stop time. Hold RESET then press 9 to toggle ON or OFF. Press POPULAR to save the change.
56	NOT USED
57	NOT USED
58	FREE SCH SMTWTF - Allows you to select the days of the week and start and stop times for the Timed Free Play feature (<i>see the Timed Free Play and Timed Lockout Scheduling Tutorial</i> in this section).
59	Load Country Settings - Loads the factory (default) settings for different countries. Hold RESET, then press 9 to toggle between United States (US), Australia (AUSTRALIA), United Kingdom (UK), and Canada (CANADA) pricing. The display will blink when the command is executed.
6	OPTIONS - Displays and allows you to change the phonograph's miscellaneous options.
60	Lockouts - Displays and selects lockout selections or discs (50 maximum). These selections are not allowed to be selected by the customer or AUTOPLAY (<i>see Programming Autoplay, Premiums, Priorities, and Lockouts</i>). If a locked-out selection is attempted, the words "Not Allowed" will momentarily appear on the display.
61	Priorities - Displays and sets priority selections (10 maximum). When these selections are made by the customer, they will be inserted at the top of the play list and they will be played next (<i>see Programming Autoplay, Premiums, Priorities, and Lockouts</i>).
62	Premiums - Displays and sets premium selections. These selections (25 maximum) will be priced at twice the regular price (<i>see Programming Autoplay, Premiums, Priorities, and Lockouts</i>).

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
63	Keep Credit - Displays and toggles the KEEP CREDIT option ON or OFF to allow retaining or canceling credit upon Power up. Hold RESET and press 9 to toggle ON or OFF. Press POPULAR to save the changes.
64	Keep Money - Displays and toggles the KEEP MONEY option ON or OFF to allow retaining or canceling money on power up. Hold RESET and press 9 to toggle ON or OFF. Press POPULAR to save the change.
65	Album Buy - Displays and toggles the ALBUM BUY option ON and OFF so that entire albums can be selected. Hold RESET and press 9 to toggle ON or OFF. Press POPULAR to save the change.
66	Priority Play - Displays and toggles PRIORITY PLAY from ON to OFF. When PRIORITY PLAY is ON, priority plays will be allowed. When PRIORITY PLAY is OFF, this feature is disabled. Hold RESET and press 9 to toggle ON or OFF. Press POPULAR to save the change.
67	Tracks In A Row - Displays and sets the maximum number of tracks (sequential selections) that can be played from one disc. Type the new number then press POPULAR.
68	4-Hour Clear - Displays and toggles the 4-Hour Clear option ON or OFF. When 4-Hour Clear is ON, all selections remaining to be played will be cleared (if the phonograph is turned OFF for more than 4 consecutive hours, or the number of minutes entered by COMMAND 692). When this option is OFF, selections to be played will remain in the phonograph's memory and they will play when the phonograph is turned back ON. Hold RESET and press 9 to toggle this option ON or OFF. Press POPULAR to save the change.
69	MORE OPTIONS 1 - The MORE OPTIONS 1 menu is a continuation of the OPTIONS menu.
690	Paid Play - Determines the play sequence for paid selections. This option toggles between random (RAND) and FIFO (First In First Out) sequences. Hold RESET and press 9 to toggle RAND or FIFO. Press POPULAR to save the change.
691	Free Play - Determines the play sequence for free selections. This option toggles between random (RAND) and FIFO (First In First Out) sequences. Hold RESET and press 9 to toggle RAND or FIFO. Press POPULAR to save the change.
692	Clear Time - Allows values from 00 to 999 minutes for the 4-HOUR CLEAR (68) TIME. The factory setting is 240 minutes. Type the new number, then press POPULAR.
693	Lockout Count - Adds the selection to the LOCKOUT LIST (60) when the DISC CONDITIONS NUMBER OF SKIP OCCURRENCES reaches the programmed value. To change the LOCKOUT COUNT, type the new number and then press POPULAR.
694	Play Limit - Sets a maximum time for a selection to play before it is canceled. A 0 entry disables this feature. Valid times are from 60 to 999 seconds. If the optional volume control module is installed, the volume of the selection will fade before the selection is canceled.

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
695	Cancel Autoplay - Cancels the autoplay selection when a paid selection is entered. When this feature is turned ON, the Autoplay selection will cancel within 15 seconds and the paid selection will play next. When this feature is turned OFF, the Autoplay selection will finish playing before the paid selection plays. The default for this feature is ON.
696	Autoplay Only - Stores the disc numbers for up to 25 discs. These disc numbers can be selected by Autoplay, but they cannot be selected by customers (<i>see programming Autoplays, premiums, priorities, and lockouts</i>).
697	Daylight Savings Time - Automatically adjusts daylight saving time. STD moves the clock ahead one hour at 2:00 am on the first Sunday of April. This mode will, also, move the clock back one hour at 2:00 am on the last Sunday of October. NONSTD lets you select which months and days of the month that daylight savings will be turned ON and OFF. Hold RESET and press 9 to select STD, NONSTD, or OFF. Press POPULAR to save your choice. If you select NONSTD, the display shows DAYLIT ON - - / - -. Type two digits for the month code to turn daylight savings ON and then press POPULAR. Type the two digit day number (1 through 31). Note that the CCC will only accept the correct maximum number. Then press POPULAR. Hold RESET, and then press 9 to change the display to show: DAYLIT OFF - - / - -. Type two digits for the month code to turn daylight savings OFF and then press POPULAR. Type the two digit day number (1 through 31). Note that the CCC will only accept the correct maximum number. Then press POPULAR.
698	Automat Clr - Clears audit data. If this command is set to ON, and the AUDIT START button has been used to start the report, then the audit data will be cleared when the printing stops and the phonograph is in NORMAL mode. Hold RESET and press 9 to toggle this command ON and OFF. Press POPULAR to save your choice.
699	More Options 2 - This menu is a continuation of the OPTIONS menu.
6990	Timlock - Displays and sets timed lockout selections or discs (25 maximum). <i>See Programming Autoplay, Premiums, Priorities, and Lockouts.</i>
6991	Locksch SMTWTFSS - Allows you to select the days of the week and the start and stop times for timed lockouts (<i>see the Timed Free Play And Timed Lockouts Scheduling Tutorial</i>).
6992	Free Album - Allows entire albums to be selected if FREE PLAY (55) and ALBUM BUY (65) are ON. Hold RESET and press 9 to toggle this command ON and OFF. Press POPULAR to save your choice.
6993	Thank You On/Off - If set to ON, the "Thank You" message is briefly displayed when a customer completes his final selection (the credit goes to zero). Hold RESET and press 9 to toggle this command ON and OFF. Press POPULAR to save your choice.

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
7	REPORTS - The REPORTS menu provides an output to an RS-232 serial printer or computer with an RS-232 serial interface. To use this feature, the RS-232 Option must be installed in the phonograph. To select and print the report, type the code for the report and press POPULAR. The display will blink when the command is executed.
70	Cash Report - Starts the Cash Report
71	Play Report - Starts the Play Report
72	Popular Report - Starts Popularity Report
73	Non-Resettable Report - Starts the report of all non-resettable numbers
74	All Audit Report - Starts all 4 audit reports
75	Setup Report - Starts the phonograph Setup Report
76	Error History Report - Starts the Accumulated Phonograph Errors Report
77	Disc Condition Report - Starts the Disc Condition Report
78	Baud Rate - Selects either 600, 1200, 2400, 4800, or 9600 baud for printing reports. Hold RESET and press 9 to toggle between 600, 1200, 2400, 4800, and 9600 baud. Press POPULAR to save the change.
79	Cancel Reports - Stops all report printing
8	STATUS - The STATUS menu defines credit and displays figures, which indicate the condition of the phonograph
80	Error History - Displays the error history of the phonograph (see <i>Errors and Warnings in Section 5</i>)
81	Clear Errors - Clears all errors from the phonograph's error log. Press POPULAR to perform this function. The display will blink when this command is executed.
82	Clear Credits - Clears all current credit. Press POPULAR to perform this function. The display will blink when this command is executed.
83	Clear Selections - Clears all selections remaining to be played. Press POPULAR to perform this function. The display will blink when this command is executed.
84	CREDITS - Displays and changes the number of credits. Type the number of credits then press POPULAR.
85	Selections Left - Displays the current number of selections left to be played.

Table 2-4. Menu & Command Descriptions
Continued

Code	Description
86	Disc Conditions - Displays the condition of discs played (see <i>Disc Conditions under Errors And Warnings in Section 5</i>).
87	Clear Conditions - Clears current conditions from the phonograph. Press POPULAR to perform this function. The display will blink when this command is executed.
88	Display Software Versions - Displays the current version number of phonograph modules. Hold RESET and press 3 to view the next device version number.
89	-----
9	FM REMOTE - The FM REMOTE menu activates and defines FM REMOTE options.
90	Remote Page - NOT USED
91	Remote Selections - Displays and sets remote selections to ON, OFF, or CDT. If this command is set to ON, remote selections are always allowed. If this command is set to OFF, remote selections are not allowed at all. If this command is set to CDT, selections are allowed as long as REMOTE CREDIT (92) exceeds zero. Hold RESET, push 9 to select ON, OFF, or CDT. Press POPULAR to save.
92	Remote Credit - Displays and changes the number of remote credits. If RMT SELECT (91) is set to CDT, remote credits are decremented each time a remote selection is made. Type the number of credits, then press POPULAR.
93	Remote Pause - Allows the remote to pause the phonograph if this feature is set to ON. Hold RESET and press 9 to toggle this command ON and OFF. Press POPULAR to save your choice.
94	Remote Pause Time - Displays and sets the maximum number of minutes that the phonograph can be paused. Hold RESET and press 9 to toggle this command ON and OFF. Press POPULAR to save your choice.
95	Remote Autoplay Override - Allows the remote to turn Autoplay either ON or OFF if this feature is ON. Hold RESET and press 9 to toggle this command ON and OFF. Press POPULAR to save your choice.
96	Remote Reload - Once a week (on Monday) the value in this location is added to the REMOTE CREDIT (MENU COMMAND 92). Type the number of credits you want to give each week. Press POPULAR to save your choice.
97-98	NOT USED
99	Remote Plays - Displays the number of selections made from the remote.

Table 2-5. CD-100B Command Index

Function	Menu	Command
Album		
free - on/off	OPTIONS	6992
maximum tracks in a row	OPTIONS	67
Select - on/off	OPTIONS	65
Attract mode		
change time between page changes	ATTRACT	22
select a specific "AD" page	ATTRACT	23
set speed that title pages turn	ATTRACT	25
set title page number limits	ATTRACT	24
turn attract on/off	ATTRACT	20
turn auto page changes on/off	ATTRACT	21
Audits		
all audit	REPORTS	74
automatic clear	OPTIONS	698
cash	AUDITS	100-109
non-resettable	AUDITS	120-129
play	AUDITS	110-117
Autoplay		
clear programmed Autoplay	AUTOPLAY	46
cancel autoplay select early on/off	OPTIONS	695
display or change		
start time	AUTOPLAY	42
stop time	AUTOPLAY	43
days of the week	AUTOPLAY	44
enhanced categories	AUTOPLAY	48
enhanced schedules	AUTOPLAY	49
autoplay only discs	OPTIONS	696
select a specific disc and track	AUTOPLAY	45
autoplay status on/off	AUTOPLAY	47
time between Autoplays	AUTOPLAY	41
turn Autoplay on/off	AUTOPLAY	40
Baud Rate		
	REPORTS	78
Bill values		
	PRICING	505-506
Cash		
clear	AUDITS	14
keep credit after power failure on/off	OPTIONS	63
keep money after power failure on/off	OPTIONS	64
multiplier	PRICING	53
report	REPORTS	70

Table 2-5. CD-100B Command Index
(Continued)

Function	Menu	Command
Clear		
cash	AUDITS	14
conditions	STATUS	87
credits	STATUS	82
disc popularity	AUDITS	13
errors	STATUS	81
plays	AUDITS	15
programmed autoplay selections	AUTOPLAY	46
selection popularity	AUDITS	16
selections	STATUS	83
Coin switch values	PRICING	501-504
Credit		
clear credits	STATUS	82
display or change credits	STATUS	84
free play - on/off	PRICING	55
keep credit after power failure on/off	OPTIONS	63
levels	PRICING	511-515
multiplier	PRICING	53
remaining	STATUS	84
selections remaining	STATUS	85
values	PRICING	521-525
Date and time change	INITIALIZE	39 and 38
Daylight saving time settings		
saving time OFF/STD/NONSTD	OPTIONS	697
saving time ON date (non standard only)	OPTIONS	697
saving time OFF date (non standard only)	OPTIONS	697
Default pricing	PRICING	59
Disc		
Autoplay	AUTOPLAY	40-47
clear conditions	STATUS	87
conditions	STATUS	86
conditions report	REPORTS	77
initialize	INITIALIZE	30-33
lockout count	OPTIONS	693
play limit	OPTIONS	694
Errors		
clear	STATUS	81
history		
report	REPORTS	76
status	STATUS	80
Factory pricing	PRICING	59

Table 2-5. CD-100B Command Index
(Continued)

Function	Menu	Command
Free play		
Album	OPTIONS	6992
on days	PRICING	58
start time	PRICING	58
status on/off	PRICING	55
stop time	PRICING	58
timed on/off	PRICING	54
Initialize		
all discs (takes 30 minutes)	INITIALIZE	30
by disc number	INITIALIZE	31
cancel auto initialize	INITIALIZE	33
number of discs initialized	INITIALIZE	34
skip time (delay before cancel)	INITIALIZE	37
set track limit for a disc	INITIALIZE	32
skip count	INITIALIZE	36
skip log	INITIALIZE	35
Lockouts		
lockout (do not allow) a selection timed	OPTIONS	60
selections	OPTIONS	35
on days	OPTIONS	6991
start time	OPTIONS	6991
stop time	OPTIONS	6991
Money		
keep on/off	OPTIONS	64
clear	AUDITS	14
Plays		
audit	PLAY AUDITS	110-117
clear	AUDITS	15
paid play style (sequential or random)	OPTIONS	690
free play style (sequential or random)	OPTIONS	691
Phonograph commands		
clear		
selections after phonograph OFF 4-hours (on/off)	OPTIONS	68
selections after 4-hours OFF time	OPTIONS	692
credit	STATUS	82
errors	STATUS	81
display		
credit	STATUS	84
selections remaining	STATUS	85
ID change	SECURITY	04

Table 2-5. CD-100B Command Index
(Continued)

Function	Menu	Command
Popularity		
disk		
clear	AUDITS	13
least popular	AUDITS	18
most popular	AUDITS	17
report	REPORTS	72
selection		
clear	AUDITS	16
most popular	AUDITS	19
Pricing		
bill values	PRICING	505-506
buy an album - on/off	OPTIONS	65
coin switch values	PRICING	501-504
price levels		
levels	PRICING	511-515
multiplier	PRICING	53
plays at price level	PRICING	521-525
premium plays (special pricing)	PRICING	62
use factory (default) pricing	PRICING	59
Priorities		
enable priority plays on/off	OPTIONS	66
maximum tracks to play in a row	OPTIONS	67
play a specific selection	OPTIONS	61
Program with top door closed on/off	SECURITY	05
Remote		
autoplay override on/off	REMOTE	95
credits	REMOTE	92
page on/off	REMOTE	90
pause on/off	REMOTE	94
plays	REMOTE	99
selections on/off	REMOTE	91
pause time	REMOTE	94
Reports		
all audit	REPORTS	74
cancel	REPORTS	79
cash	REPORTS	70
disc conditions	REPORTS	77
error history	REPORTS	76
non resettables	REPORTS	73
play	REPORTS	71
popular	REPORTS	72
set up	REPORTS	75
baud rate	REPORTS	78

Table 2-5. CD-100B Command Index
(Continued)

Function	Menu	Command
Security		
enter security code	SECURITY	00
level display	SECURITY	01
change level 2	SECURITY	02
change level 3	SECURITY	03
phono ID	SECURITY	04
security is on/off	SECURITY	06
Service switch enable - on/off	SECURITY	05
Software level	STATUS	88
"Thank You" message on/off	OPTIONS	6993
Time and date change	INITIALIZE	38 and 39
Tracks in a row	OPTIONS	67
Versions	STATUS	88

PROGRAMMING AUTOPLAY, PREMIUMS, PRIORITIES, AND LOCKOUTS

Each of these six options will allow programming specific selection or disc numbers into memory. The procedure is the same for all six options.

Place the phonograph into the SERVICE mode and get to the * SERVICE MODE * display (hold RESET and press POPULAR as many times as necessary to display * SERVICE MODE *). Enter the command for the particular option to be programmed.

For Autoplay programming

Type	Display shows
4	*AUTOPLAY*
5	PROGRAM 00 ----

For Autoplay Only Programming

Type	Display shows
69	* MORE OPTIONS 1 *
6	AP ONLY 00 ----

For Lockouts programming

Type	Display shows
6	*OPTIONS*
0	LOCKOUTS 00----

For Timed Lockout Programming

Type	Display shows
699	* MORE OPTIONS 2 *
0	TIM LOCK 00 ----

For Priorities programming

Type	Display
6	*OPTIONS*
1	PRIORITY 00 ----

For Premiums programming

Type	Display shows
6	*OPTIONS*
2	PREMIUMS 00 ----

If a selection is not programmed for the displayed sequence number, four dashes will appear. When first received from the factory, none of these options will have any selections programmed.

It is possible to program up to 100 autoplay selections or discs, 25 Autoplay only discs, 25 premium selections, 50 lockout selections and 10 priority selections. The program sequence number will start at 00 and go to 1 less than the maximum possible programmed selections. For example, the sequence numbers for lockouts will start at 00 and go to 24.

All selections must be in consecutive sequence locations. You may not have a "hole" in the sequence. For example, premiums 00 is programmed to Selection 1305. The next premium selection must be entered in sequence location 01. The phonograph will not allow a hole to be left in the sequence.

AUTOPLAY PROGRAMMING MODES

When the Autoplay program sequence does not have any selections in it, Autoplay will select a random disk and track to play whenever the Autoplay time has elapsed. By entering selections into the sequence program, Autoplay will follow that sequence and play only those selections entered. The order of play will follow the sequence.

When entering a selection number ending in 00 (this is not normally a valid selection) in to the Autoplay sequence, Autoplay will select a random selection from that particular disk. For example, sequence number 04 has Selection 5200 programmed in. When Autoplay gets to sequence number 04 (the 5th Autoplay selection to be played), it will play a random track from disk 52.

Specific selection numbers and random selections on specific disks may be entered together and in any order in an Autoplay sequenced program.

LOCKOUT AND TIMED LOCKOUT MODES

To lockout a disc, enter the two-digit disc number followed by two zeroes. To lockout a selection, enter the four digit selection number.

If you are at Security Level 3 and have one of the four programming options on the display, you will notice the 1's digit of the sequence number will be blinking. The blinking digit indicates it may be changed. Type the sequence number where the new selection is to be entered then push POPULAR. If the sequence number entered would create a hole, the display will change to show the next available sequence number. The 1's digit in the selection number will now blink. Type in a four digit selection number (two digit disc number for Autoplay only), then press POPULAR to save it. The 1's digit in the sequence number will now blink allowing another sequence number to be entered.

If you try to enter a selection from a disk that has limits of 0 (the disk is not installed in the machine or it has not yet been initialized), the four dashes will reappear when POPULAR is pushed.

By holding RESET and pushing 3, the next sequence number and selection will be displayed. Holding RESET and pushing 2 will display the previous sequence number.

EDITING AUTOPLAY, PREMIUMS, PRIORITIES AND LOCKOUTS

To change a selection number, use RESET + 2 and RESET + 3 to scan the sequence looking for the selection to be changed. If the sequence number of the selection to be changed is known, simply type the sequence number. When the proper selection is displayed, push POPULAR to move the blinking digit to the 1's position of the selection number. Type in the new four digit selection number (a two-digit disc number for Autoplay only) then push POPULAR.

If you try to enter a selection from a disk that has limits of 0 (the disk is not installed or not yet initialized), the original selection will be automatically reinserted when POPULAR is pushed.

To delete a selection number, locate that selection as described above. Push and hold RESET then push 4 once. The selection will be deleted. The next selection will be moved down into this sequence number to fill the hole the deletion would have left.

To add a selection in the middle of a list, locate the selection previous to selection you want to enter. Hold RESET and push 5 once. This will open a hole in the list. Type the new selection number then push POPULAR. If you try to enter a selection from a disk that has limits of 0 (the disk is not installed in the machine or it has not yet been initialized), selection 0001 will be inserted automatically.

TIMED FREE PLAY AND TIMED LOCKOUT SCHEDULING TUTORIAL

What Multiple Lockout On/Off Times Do

Multiple lockout On/Off times allow you to lockout (prevent selecting or playing) specific selections or discs up to three times a day each day of the week. Selections or discs to be locked-out are entered in OPTION 6990 (TIMLOCK). Scheduling and entering the times is done in the same manner as MULTIPLE FREEPLAY ON/OFF times (*refer to the Timed Free Play example*).

What Multiple Freeplay On/Off Times Do

Multiple Freeplay ON/OFF Times allow you to stimulate interest in the phonograph by offering free plays at up to three times a day each day of the week. Note that this feature only schedules the Freeplay times. To allow Freeplay, you must be sure to turn the TIMED FPLAY (Command 54) ON before Freeplay will be enabled.



See table 2-4 for Commands 54, 55, and 58.

If FREE PLAY STATUS is ON, the phonograph will be on Free Play. If FREE PLAY STATUS is OFF, the phonograph will not be on FREE PLAY.

Free Play status will always be turned OFF when a STOP time and day matches the time and day on the "Real-Time Clock", and timed Free Play is set to ON.

Free Play status will only turn ON when the START time and day matches the time and day of the real-time clock, and timed Free Play is set to ON.

When timed Free Play is set to OFF, the system will not turn Free Play status ON or OFF.

1. Turn Timed Freeplay On

Example: The example shown in *figure 2-12* shows The Multiple Freeplay On/Off Times sheet filled out for Sunday and Monday. To make keying the schedule in easier, use this form to make your plans, then key in the schedule (Photocopy the original of this form, which is in the back of this section).

MULTIPLE FREEPLAY ON/OFF TIMES

Fill in the START times, STOP times, and the COMMENTS before you make the actual scheduling changes.

Sunday	On	Off	Comment
1	10 : 00	10 : 30	One Freeplay Time
2	__ : __	__ : __	_____
3	__ : __	__ : __	_____
Monday	On	Off	Comment
1	11 : 15	11 : 30	Two Freeplay Periods
2	14 : 30	14 : 45	_____
3	__ : __	__ : __	_____
Tuesday	On	Off	Comment
1	__ : __	__ : __	No Freeplay Scheduled
2	__ : __	__ : __	_____
3	__ : __	__ : __	_____

Figure 2-12. Sample Freeplay Schedule

2. Plan The Schedule

Scheduling Freeplay is simple, just remember these rules:

SCHEDULING RULES

The schedule must have one ON time and a corresponding OFF time for each scheduled time. These times must follow these simple restrictions:

Examples:

Monday	ON	OFF	Wrong - The OFF time is set before the ON time. The ON time must be earlier than the corresponding OFF time.
1	10:30	10:00	
Monday	ON	OFF	Wrong - A gap was left in the schedule. Gaps are not allowed.
1	10:00	--:--	
2	11:00	11:30	
Monday	ON	OFF	Wrong - No OFF time was scheduled. Each scheduled Freeplay time must have an ON time and an OFF time.
1	15:00	--:--	
2	--:--	--:--	
Monday	ON	OFF	Right - The proper times were entered and the schedule is complete.
1	10:00	10:30	
2	11:00	11:30	

3. Enter The Schedule

If you have not verified that Timed Freeplay is ON, go back to the previous topics and check the Freeplay status before you make or change the Freeplay Schedule.

- A. From the * SERVICE MODE * display, enter 58 to display Line 8 of the Pricing Menu. This line will show: FREE SCH SMTWTFS with the first "S" (Sunday) in the calendar blinking¹.
- B. Move the cursor to another day by pressing either RESET+2 or by pressing RESET+3.
- C. Move the cursor back to Monday and press POPULAR to view Monday's schedule.
- D. At this time the display shows MON-1 ON --:-- and the 1's digit of the hours field is blinking². The MON-1 on the display indicates that this schedule entry is the first Monday ON time. Enter the first Monday ON time hour from the sample schedule (*see figure 2-12*) by entering the ON time hour and then pressing POPULAR. Enter the minutes in the same way and then press POPULAR.
- E. To move to the first OFF time for Monday, press RESET+3, enter the OFF time, and press POPULAR.
- F. Press RESET+3 to advance to the second OFF time. Enter the OFF Time and then press POPULAR.
- G. Press RESET+9 to move back to the FREE SCH display.

4. Copy The Schedule

Now to program the phonograph for the rest of the week. You can copy the schedule that you just made into any/all of the remaining days of the week. To make the schedule for Tuesday through Friday the same as Monday:

- A. Move the cursor until the M for Monday is blinking.
- B. Press RESET+8 and the display will show: CPY MO -> S
- C. Press RESET+2 and RESET+3 until MTWTF appears on the display. MTWTF on the display indicates that Monday's schedule will be copied into the Monday through Friday schedules.
- D. Press POPULAR to perform the copy.

ENHANCED AUTOPLAY TUTORIAL

Autoplay

The Autoplay feature stimulates customer interest in the phonograph by periodically playing selections. The Autoplay feature is factory preset to STD and to play one track after the phonograph has been idle for 20 minutes. This feature may be programmed for any length of time between 0 and 255 minutes. Selections may be played in a specific sequence.

¹ Any blinking letter or number represents the "cursor", which is the pointer that indicates what information will be changed if you make an entry.

² A field is a space to enter or display numbers or letters.

Differences Between Standard And Enhanced Autoplay

Enhanced Autoplay lets you categorize the discs (for example: Popular, Country, Rock, etc.). Up to eight categories can be assigned and selected up to 20 different times of the day, each day of the week. Standard Autoplay cannot assign categories, has one ON/OFF time, and lets you select which days of the week Autoplay is active. Enhanced Autoplay programming is more involved, so Standard Autoplay should be used unless categories, multiple ON/OFF times, or different ON/OFF times for different days are needed.

SETTING UP ENHANCED AUTOPLAY

1. Set COMMAND 40, AUTOPLAY IS, to: ENH (COMMAND 41, DELAY, is not used in Enhanced Autoplay).
2. Set COMMAND 42, START TIME, to: 00:00 (this is the factory setting).
3. Set COMMAND 43, STOP TIME, to 23:59 (this is the factory setting).
4. Set COMMAND 44, ON DAYS, to SMTWTFS (this is the factory setting).
5. COMMAND 45, PROGRAMMED AUTOPLAY - Programming is optional. Use Programmed Autoplay only if you want to play specific selections or play discs in a specific order. If Programmed Autoplay is used, it plays only those selections and discs that are listed in the play list and the discs' categories are selected (the category must be active and the selection must be on the play list before the selection will play).

Enhanced Autoplay looks at the selected categories first, then determines which discs may be played. If one of the allowed category numbers matches a disc category number in the play list, that selection is played. When you use a play list, be sure that the programmed schedule (COMMAND 49) and the disc categories (COMMAND 48), and the Programmed Autoplay selections (discs) are properly assigned, or Enhanced Autoplay will not play the selections from the play list (see *Programming Autoplay, Premiums, Priorities, and Lockouts* for information on how to program the play list).



NOTE:

COMMAND 46, CLEAR PROGRAMMED, clears all programmed selections entered in COMMAND 45.

6. Set COMMAND 47, AUTOPLAY STATUS, to: ON.
7. COMMAND 48 and 49. See *Setting Up Enhanced Autoplay Schedules on the following pages*.

Setting Up Enhanced Autoplay Schedules (Commands 48 And 49)

Enhanced Autoplay provides up to 20 events each day of the week for a total of 140 events per week. Before you begin entering specifics for these events, some preliminary work must be done. If you take the time to do this work now, you will find that planning, entering, and changing the Autoplay schedule will be much easier.

The five major tasks to perform are:

1. Assigning a category number or numbers to each disc installed in the phonograph using the Disc Category List worksheet as shown in *figure 2-13*, and use the WorkSheet Masters at the end of this section for the actual masters.
2. Entering the disc category list into the phonograph.
3. Developing the Autoplay Event Schedule using the Autoplay Event Schedule Worksheet.
4. Entering the Autoplay Event Schedule into the phonograph.
5. Copy a schedule to the other days of the week.

FOLLOW STEPS 1 THROUGH 5 TO SETUP AN ENHANCED AUTOPLAY SCHEDULE

1. Set Up The Categories

Categories should be assigned if you want to take full advantage of Enhanced Autoplay's ability to select specific kinds of music.

Autoplay sees the eight categories as Category 1 through 8 (All 100 discs are assigned to Category 1 at the factory). To make setting up Autoplay easier, you should assign names to each category. We have supplied a general purpose form to help you assign category numbers and discs. A general purpose category assignment would look like *figure 2-13*.

Once you have decided what title to use for each category (you do not have to assign a name for each category if you do not have eight categories), you should determine the category (or categories) for each disc. *Figure 2-13* also shows a sample category list for a phonograph with 50 discs. Note that some discs fit into more than one category. This means that Autoplay can select these discs if any one of the categories is scheduled. You can assign a disc to all eight categories, but depending on the category titles, some category titles may exclude each other (it's not likely that a Country & Western disc would be assigned to Urban as well).

You can enter the categories as you look at the title pages on a CD-100B Phonograph.

Photocopy the Disc Category List at the back of this section and use the copy for a work sheet.

DISC CATEGORY LIST

Date 9-25-89

Location JOE'S

Name each of the eight categories and then assign the discs to each category.

Category #	Category Name	Category #	Category Name
1	<u>POP MUSIC - TOP 40</u>	5	<u>URBAN</u>
2	<u>COUNTRY & WESTERN</u>	6	<u>OLDIES</u>
3	<u>EASY LISTENING</u>	7	<u>HEAVY METAL</u>
4	<u>JAZZ</u>	8	<u>BACKGROUND MUSIC</u>

Place an X on the category that you wish to assign to each disc.

00	X	2	3	4	5	6	7	8	50	1	2	3	4	5	6	7	8
01	X	2	3	4	5	6	7	8	51	1	2	3	4	5	6	7	8
02	X	2	3	4	5	6	7	8	52	1	2	3	4	5	6	7	8
03	X	2	3	4	5	6	7	8	53	1	2	3	4	5	6	7	8
04	X	2	3	4	5	6	7	8	54	1	2	3	4	5	6	7	8
05	X	2	3	4	5	6	7	8	55	1	2	3	4	5	6	7	8
06	X	2	X	4	5	6	7	8	56	1	2	3	4	5	6	7	8
07	X	2	3	4	5	6	7	8	57	1	2	3	4	5	6	7	8
08	X	2	3	4	5	6	7	8	58	1	2	3	4	5	6	7	8
09	X	2	3	4	5	6	7	8	59	1	2	3	4	5	6	7	8
10	X	2	3	4	5	6	7	8	60	1	2	3	4	5	6	7	8
11	X	2	3	4	5	6	7	8	61	1	2	3	4	5	6	7	8
12	X	2	3	4	5	6	X	8	62	1	2	3	4	5	6	7	8
13	X	2	3	4	5	6	7	8	63	1	2	3	4	5	6	7	8
14	X	2	3	4	5	6	7	8	64	1	2	3	4	5	6	7	8
15	X	2	3	4	5	6	7	8	65	1	2	3	4	5	6	7	8
16	X	2	3	4	5	6	7	8	66	1	2	3	4	5	6	7	8
17	X	2	3	4	5	6	7	8	67	1	2	3	4	5	6	7	8
18	X	2	3	4	5	6	7	8	68	1	2	3	4	5	6	7	8
19	X	2	3	4	5	6	7	8	69	1	2	3	4	5	6	7	8
20	1	2	3	4	5	6	7	8	70	1	2	3	4	5	6	7	8
21	1	2	3	4	5	6	7	8	71	1	2	3	4	5	6	7	8
22	1	2	3	4	5	6	7	8	72	1	2	3	4	5	6	7	8
23	1	X	3	4	5	6	7	8	73	1	2	3	4	5	6	7	8
24	1	2	3	4	5	6	7	8	74	1	2	3	4	5	6	7	8
25	1	2	3	4	5	6	7	8	75	1	2	3	4	5	6	7	8
26	1	2	3	4	5	6	7	8	76	1	2	3	4	5	6	7	8
27	1	2	3	4	5	6	7	8	77	1	2	3	4	5	6	7	8
28	1	2	3	4	5	6	7	X	78	1	2	3	4	5	6	7	8
29	1	X	3	4	5	6	7	8	79	1	2	3	4	5	6	7	8
30	1	X	3	4	5	6	7	8	80	1	2	3	4	5	6	7	8
31	1	X	3	4	5	6	7	8	81	1	2	3	4	5	6	7	8
32	1	X	3	4	5	6	7	8	82	1	2	3	4	5	6	7	8
33	1	X	3	4	5	6	7	8	83	1	2	3	4	5	6	7	8
34	1	X	3	4	5	6	7	8	84	1	2	3	4	5	6	7	8
35	1	X	3	4	5	6	7	8	85	1	2	3	4	5	6	7	8
36	1	X	3	4	5	6	7	8	86	1	2	3	4	5	6	7	8
37	1	2	X	4	5	6	7	8	87	1	2	3	4	5	6	7	8
38	1	2	X	4	5	6	7	X	88	1	2	3	4	5	6	7	8
39	1	2	X	4	5	6	7	8	89	1	2	3	4	5	6	7	8
40	1	2	X	4	5	6	7	8	90	1	2	3	4	5	6	7	8
41	1	2	X	4	5	6	7	X	91	1	2	3	4	5	6	7	8
42	1	2	X	4	5	6	7	8	92	1	2	3	4	5	6	7	8
43	1	2	X	4	5	6	7	8	93	1	2	3	4	5	6	7	8
44	1	2	3	4	X	6	7	8	94	1	2	3	4	5	6	7	8
45	1	2	3	4	X	6	7	8	95	1	2	3	4	5	6	7	8
46	1	2	3	4	X	6	7	8	96	1	2	3	4	5	6	7	8
47	1	2	3	4	X	6	7	8	97	1	2	3	4	5	6	7	8
48	1	2	3	4	X	6	7	8	98	1	2	3	4	5	6	7	8
49	1	2	3	4	X	6	7	8	99	1	2	3	4	5	6	7	8

Figure 2-13. Sample Disc Category List

2. Make The Category Entries

KEY FUNCTIONS

Some key combinations have slightly different meanings in the Autoplay menus. *Table 2-6* shows what these key combinations do in the Schedule (display shows: SCHEDULE SMTWTFS) and in the Set Time (SU 01 TIME --:--)

Table 2-6. Key Functions

Key Combination	Function in SCHEDULE SMTWTFS	Function in SU 01 TIME --:--
RESET+2	Moves the cursor to the left one day	Decrements the event number
RESET+3	Moves the cursor to the right one day	Increments the event number
RESET+4	No function	Deletes the current event and moves all events down one line
RESET+5	No function	Inserts a blank entry at this event number and pushes all other events up one line
RESET+6	No function	No function
RESET+7	No function	Toggles the negative sign in VOL1 and VOL2
RESET+8	Starts the copy function	No function
RESET+9	Enters the indicated day's program	Advances to the next programmable field
POPULAR	Enters the indicated day's program	Stores the displayed data in the displayed field

Use the DISC mode to enter a disc number. Switch to CATEGORY mode to change the categories assigned to the disc selected in the DISC mode.

- A. Enter the SERVICE mode.
- B. Enter 48 to access the Autoplay Category menu.

The display will initially show: =00 CAT 1-----

- The = sign to the left of the 00 indicates that the disc number will be changed (DISC mode) rather than changing the categories assigned (CATEGORY mode).
- The 00 indicates the disc number
- The 1----- indicates that disc 00 is only assigned to Category 1

USING RESET+9 IN THE CATEGORY MENU

RESET+9 toggles (switches) back and forth between DISC mode and CATEGORY mode.

DISC MODE

DISC mode (the = sign is ahead of the disc number) only allows you to change the disc number that is displayed. Use this mode to change the disc number easily. This mode is particularly useful if you are changing or checking categories for a wide range of disc numbers.

Example: You want to view the categories assigned to Discs 15, 45, and 87. If you enter 15, you will see the categories assigned to Disc 15. Enter 45 and you will see the categories assigned to Disc 45. Enter 87 and, you guessed it, the display shows the categories assigned to Disc 87.

In DISC mode, the following keys have these functions:

Key Combination	Function
RESET+2	Decrements the disc number by one disc
RESET+3	Increments the disc number by one disc
POPULAR	Changes to CATEGORY mode (not a toggle function)
Number Keys	Numbers entered become the new disc numbers. The new categories are displayed as each digit of the new disc number is entered

C. Select the disc number that you wish to assign categories.

CATEGORY MODE

CATEGORY mode (the = sign is ahead of the category numbers) allows you to change the category numbers assigned to a disc.

In CATEGORY mode, the following keys have these functions:

Key Combination	Function
RESET+2	Decrements the disc number by one disc
RESET+3	Increments the disc number by one disc
POPULAR	Saves any changes made to the category list and increments the disc number by one disc
Number Keys	Toggle the corresponding categories ON and OFF.

D. Press RESET+9 to switch to CATEGORY mode.

E. Enter the numbers (1 through 8) that correspond to the categories that you wish to assign to the disc. The number keys will alternately turn the category numbers ON and OFF.

3. Plan The Schedule

The schedule determines on which day and at what time of day that Autoplay categories are allowed to play (this is called an event).

If the phonograph has the optional volume control module installed, the schedule can adjust the phonograph's volume at the beginning of each event.

The schedule is composed of five parts (seven parts if you include the optional volume control feature). Each of these schedule parts are discussed in the paragraphs that follow.

DAY OF THE WEEK

The time and date are set at the factory (they can be changed if needed). The factory-set time is Eastern Standard Time.

The Central Control Computer (CCC) uses the time and initial date to determine the day of the week by using its own internal calendar.

If you wish, you may schedule all seven days of the week.

EVENT

An event is space in the schedule where a schedule change is made. Each of the days of the week can have up to 20 events scheduled.

TIME

You must supply a time in the schedule to start Enhanced Autoplay. This time is the exact time that you want Autoplay to be allowed to check for an idle phonograph. The actual first Autoplay selection will only play after the delay time (*see Delay*).

CATEGORIES

All, some, or none of the eight categories can be selected for each event. Select the category (or categories) that you want to have played when the phonograph makes an Autoplay selection. Autoplay will make its selection from the lowest selected category. If you supply a play list (play lists are discussed next), Autoplay will pick a play list selection that is in the selected category.

DELAY

Delay is the time that Autoplay waits to make a selection after the customer selection is played (is scanned out).

CHANNEL 1 AND CHANNEL 2 VOLUME (Optional)

VOL1 and VOL2 are single digit numbers (0 through 9 and -1 through -9) that cause the phonograph's volume to change in Channel 1 and in Channel 2. This volume change is relative to the volume set by the phonograph's volume control. A volume of 0 means use the phonograph volume control's volume setting. A setting of 1 means boost the volume slightly and a setting of -1 means reduce the volume slightly. A value of 9 is the maximum volume boost and a value of -9 is the maximum volume reduction.

Joe's B&G Schedule Example

Joe wants to have his phonograph make Enhanced Autoplay selections on Monday so that he will have background music from 1:30 pm to 5:30 pm. Then he wants to pick up the tempo and increase the phonograph's volume until 10:30, when he wants to "Go Country" until closing at 2:00 am.

As Joe fills out the schedule (figure 2-14), he decides to add a little variety to the afternoon schedule, so he adds Easy Listening (Category 3) and Jazz (Category 4) to his schedule. Note that Joe schedules Event 1 at closing time. This event shuts off Enhanced Autoplay until the next event with at least one selected category.

AUTOPLAY SCHEDULE					
Location	<u>JOE'S</u>			Date	<u>9/25/89</u>
Fill in the Autoplay event times, delay times, categories, and volume changes before you make the actual scheduling changes.					
Day:	<u>MON</u>				
Event	Time	Categories	Delay	Vol 1	Vol 2
1	<u>02:00</u>	<u>—</u>	<u>0</u>	<u>0</u>	<u>0</u>
2	<u>13:30</u>	<u>3, 4, 8</u>	<u>10</u>	<u>-3</u>	<u>-3</u>
3	<u>17:30</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>3</u>
4	<u>22:30</u>	<u>3</u>	<u>5</u>	<u>0</u>	<u>0</u>
5	<u> : </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
6	<u> : </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
7	<u> : </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Figure 2-14. Sample Autoplay Schedule

4. Make The Schedule Entries

OVERVIEW

Entering a schedule requires a total of five entries (seven if the volume control module is installed). Three of these entries (Day, Time, and Category Selection) must be scheduled to have Autoplay work properly. The remaining entries do not have to have specific entries to work.

Line 49

Day:	SCHEDULE SMTWTFS
	(POPULAR)
Time:	MO 01 TIME --:--
	(RESET+9)
Categories:	MO 01 TIME --:--
	(RESET+9)
Delay:	MO 01 Delay 00
	(RESET+9)

Figure 2-15. Steps To Make A Schedule

A. Event 1 - These steps describe how to enter Event 1 in the previous example (*figure 2-14*) and the flow through the steps is illustrated in *figure 2-15*.

- 1). Enter the SERVICE mode.
- 2). Enter 49 to access the Autoplay Schedule menu.

The display will initially show: SCHEDULE SMTWTFS

- 3). Use the RESET+2 and the RESET+3 keys to change the blinking letter until the "M" blinks and then press POPULAR to move to the SET TIME menu.
- 4). The display will show: MO 01 TIME [--:--] which is the TIME menu for EVENT 01.

You can change the event number by pressing RESET+2 to decrement the event number, or you can press RESET+3 to increment the event number. Make sure that the event number is EVENT 01 and then enter 02, which is the 24-hour time for 2 am. Press POPULAR to save the entry and advance to the minutes field.

- 5). Press POPULAR to save the entry. This completes the TIME entry for Event 01.

- 6). Press RESET+9 to advance to the CATEGORY SELECT menu.

The display will show: MO 01 [-----]. If the display does not show all dashes, type each number that appears in the display (this will toggle the category(s) OFF). When the display shows all dashes, press POPULAR to save the selection.

- 7). Press RESET+9 to advance to the DELAY menu.

The display will show: MO 01 DELAY 00

The delay time doesn't matter because no categories are selected, so go to *Event 2*.

- 8). Press RESET+0 then go to Event 2. The display will show: =00 CAT 1-----.

B. Event 2

- 1). Press RESET+1 to access the Autoplay Schedule menu.

The display will initially show: SCHEDULE SMTWTFS

- 2). Press RESET+3 to move the blinking letter until the "M" blinks, then press RESET+3 to increase the event number to Event 02.

- 3). The display will show: MO 02 TIME --:-- which is the TIME menu for EVENT 02.

Enter 13, which is the 24-hour time for 1 pm. Press POPULAR to save the entry and advance to the minutes field.

- 4). Enter 30 and then press POPULAR to save the entry. This completes the TIME entry for Event 02.

- 5). Press RESET+9 to advance to the CATEGORY SELECT menu.

The display will show: MO 02 [-----].

Enter the numbers 3, 4, and 8 to have Autoplay select from discs in Categories 3, 4, and 8. Press POPULAR to save the selections.

- 6). Press RESET+9 to advance to the DELAY menu.

The display will show: MO 02 DELAY 00

Enter 10 to allow a ten minute delay before an Autoplay selection will be selected. Press POPULAR to save the entry.

The next four steps are only necessary if you have the volume control module installed in your phonograph.

- 7). Press RESET+9 to advance to the VOLUME CHANNEL 1 menu.

The display will show: MO 02 VOL CH1 0

Press RESET+7 to insert a minus sign in front of the 0.

- 8). Enter 3 to cause Channel 1 to play at a slightly reduced level when this event starts (at 1:30). Press POPULAR to save the entries.

Channel #1 Volume:

MO 02 VOL CH2 -3

(RESET+9)¹

- 9). Press RESET+9 to advance to the VOLUME CHANNEL 2 menu.

The display will show: MO 02 VOL CH2 0

Press RESET+7 to insert a minus sign in front of the 0.

- 10). Enter 3 to cause Channel 2 to play at a slightly reduced level when this event starts (at 1:30). Press POPULAR to save the entries.

Channel #2 Volume:

MO 02 VOL CH2 -3

(RESET+9)¹

Event 3

- 1). Press RESET+9 once to access the EVENT TIME menu.

The display will show: MO 02 TIME 13:30

- 2). Press RESET+3 to increase the event number to Event 03.
- 3). The display will show: MO 03 TIME --:-- which is the TIME menu for EVENT 03.

Enter 17, which is the 24-hour time for 5 pm. Press POPULAR to save the entry and advance to the minutes field.

- 4). Enter 30 and then press POPULAR to save the entry. This completes the TIME entry for Event 03.
- 5). Press RESET+9 to advance to the CATEGORY SELECT menu.

The display will show: MO 03 [-----]

Press 1 to make Category 1 active. Press POPULAR to save the entry.

- 6). Press RESET+9 to advance to the DELAY menu.

The display will show: MO 03 DELAY 00

¹ RESET+9 will "wrap" to the TIME display.

Enter 02 to allow a two minute delay before an Autoplay selection will be selected. Press POPULAR to save the entry.

The next four steps are only necessary if you have the volume control module installed in your phonograph.

- 7). Press RESET+9 to advance to the VOLUME CHANNEL 1 menu.
The display will show: MO 03 VOL CH1 0
- 8). Enter 3 to cause Channel 1 to play at a slightly increased level when this event starts (at 5:30). Press POPULAR to save the entries.

Channel #1 Volume:

MO 03 VOL CH1 -3

(RESET+9)¹

- 9). Press RESET+9 to advance to the VOLUME CHANNEL 2 menu.
The display will show: MO 03 VOL CH2 0
- 10). Enter 3 to cause Channel 2 to play at a slightly increased level when this event starts (at 5:30). Press POPULAR to save the entries.

Channel #2 Volume:

MO 03 VOL CH2 -3

(RESET+9)¹

Event 4

- 1). Press RESET+9 once to access the EVENT TIME menu.
The display will show: MO 03 TIME 17:30.
- 2). Press Press RESET+3 to increase the event number to Event 04.
- 3). The display will show: MO 04 TIME --:-- which is the TIME menu for EVENT 03.
Enter 22, which is the 24-hour time for 10 pm. Press POPULAR to save the entry and advance to the minutes field.
- 4). Enter 30 and then press POPULAR to save the entry. This completes the TIME entry for Event 04.
- 5). Press RESET+9 to advance to the CATEGORY SELECT menu.
The display will show: MO 04 [-----]
Enter 3 to have Autoplay select from discs in Category 3. Press POPULAR to save the selection.

¹ RESET+9 will "wrap" to the TIME display.

- 6). Press RESET+9 to advance to the DELAY menu.
The display will show: MO 04 DELAY 00

Enter 05 to allow a five minute delay before an Autoplay selection will be selected. Press POPULAR to save the entry.

- 7). The programming for Monday is now complete.
- 8). Press RESET+POPULAR until * SERVICE MODE * appears on the display.

5. Copy The Schedule

Now program the phonograph for the rest of the week! You can save a great deal of time if you copy the schedule that you just made into the remaining days of the week. To make the schedule for Tuesday through Friday the same as Monday (the Copy function is also helpful if the schedule for the other days is similar to the Monday schedule. Do a Copy and then revise the copied schedules):

- A. Enter 49 to access the AUTOPLAY SCHEDULE menu. Press RESET+3 to move the cursor until the M for Monday is blinking. This is the schedule that will be copied (FROM).
- B. Press RESET+8 and the display will show: CPY MO -> S
- C. Press RESET+2 or RESET+3 until MTWTF appears on the display. MTWTF on the display indicates that Monday's schedule will be copied TO the Monday through Friday schedules.
- D. Press POPULAR to perform the copy.
- E. Press RESET+POPULAR repeatedly until * SERVICE MODE * appears on the display.