

7 Self diagnosis and special mode setting

This unit is equipped with features of self-diagnostic & special mode setting for checking the functions & reliability.

Special Note : Checking of the reliability (ageing) & changer operation must be carry out to ensure good working condition in unit.

7.1. Service Mode Summary Table

The service modes can be activated by pressing various button combination on the main unit and remote control unit. Below is the summary for the various modes for checking:

Player buttons	Remote control unit buttons	Application	Note
[STOP]	[4], [7]	Entering into doctor mode	(Refer to section .7.2.1. service mode Table 1 for more information.)
[STOP]	[▶▶]	Entering into service mode	(Refer to section .7.2.1. service mode Table 1 for more information.)

Mode	Remote control unit buttons	Application	Note
In Doctor Mode	[1]	FL all segment & LED inspection	(Refer to section .7.2.2. service mode Table 2 for more information.)
	[7]	Volume 50 setting check	(Refer to section .7.2.2. service mode Table 2 for more information.)
	[8]	Volume 29 setting check	(Refer to section .7.2.2. service mode Table 2 for more information.)
	[9]	Volume 0 setting check	(Refer to section .7.2.2. service mode Table 2 for more information.)
	[2]	Micro-P Version Display	(Refer to section .7.2.2. service mode Table 2 for more information.)
	[4]	CD→USB Recording & Playing inspection	(Refer to section .7.2.2. service mode Table 2 for more information.)
	[5]	CD-MP3 Reading & Playing inspection	(Refer to section .7.2.2. service mode Table 2 for more information.)
	[DISC]	CR14 inspection	(Refer to section .7.2.2. service mode Table 2 for more information.)

Mode	Remote control unit buttons	Application	Note
In Service Mode	[1]	self diagnostic history	(Refer to section .7.2.3. service mode Table 3 for more information.)
	[2]	Micro-P FW	(Refer to section .7.2.3. service mode Table 3 for more information.)
	[3]	Cold Start (Reset)	(Refer to section .7.2.3. service mode Table 3 for more information.)

7.2. Service Mode Table


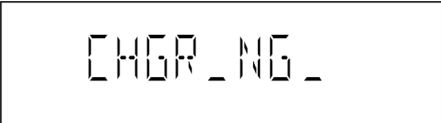
Below is the various special modes for checking:-

7.2.1. Service Mode Table 1




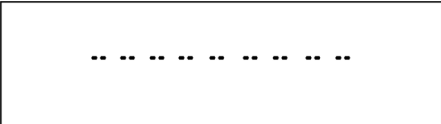
Item		FL Display	Key Operation
Mode Name	Description		Front Key
Doctor Mode	To enter into Doctor Mode.	END DISC	In any mode: 1. Press [■STOP/DEMO] button on main unit follow by [4] and [7] on remote control. To exit Doctor Mode, press [⏻/I] button on main unit or remote control.
Service Mode	To enter into Service Mode.	SERVICE	1. Select [CD] for DISC mode (Ensure no disc is inserted). 2. Press and hold [■STOP/DEMO] button on main unit for 2 seconds follow by [▶▶] on remote control. To exit, press [⏻/I] button on main unit or remote control.

7.2.2. Service Mode Table 2

Item		FL Display	Key Operation
Mode Name	Description		Front Key
FL Display Test	To check the FL segments display (All segments will light up)		<p>In doctor mode:</p> <p>1. Press [1] button on remote control.</p> <p>To exit Doctor Mode, press [ϕ/I] button on main unit or remote control.</p>
Volume Setting Mode	To check for the volume setting of the main unit. The volume will be automatically set to its respective level (in dB). During this mode, treble/bass/EQ will be set to '0'dB & OFF.	<p>Display 1</p>	<p>In doctor mode:</p> <p>1. Press [7] button on remote control.</p> <p>To exit Doctor Mode, press [ϕ/I] button on main unit or remote control.</p>
		<p>Display 1</p>	<p>In doctor mode:</p> <p>2. Press [8] button on remote control.</p> <p>To exit Doctor Mode, press [ϕ/I] button on main unit or remote control.</p>
		<p>Display 1</p>	<p>In doctor mode:</p> <p>3. Press [9] button on remote control.</p> <p>To exit Doctor Mode, press [ϕ/I] button on main unit or remote control.</p>
Micro-P Version Display	<p>Checking of various items and firmware version.</p> <p>Note: The micro-processor version as shown is an example. It will be revise when there is an updates.</p>		<p>In doctor mode:</p> <p>1. Press [2] button on remote control.</p> <p>To exit Doctor Mode, press [ϕ/I] button on main unit or remote control.</p>
CD→USB Recording & Playing inspection	To check for the CD→USB Recording setting of the main unit. The volume will be automatically set to its respective level (in dB). During this mode, treble/bass/EQ will be set to '0'dB & OFF.		<p>In doctor mode:</p> <p>1. Press [4] button on remote control.</p> <p>To exit Doctor Mode, press [ϕ/I] button on main unit or remote control.</p>
CD-MP3 Reading & Playing inspection	<p>To check for the CD-MP3 Reading setting of the main unit. The volume will be automatically set to its respective level (in dB). During this mode, treble/bass/EQ will be set to '0'dB & OFF.</p> <p>(For more information, refer to section 7.2.4)</p>		<p>In doctor mode:</p> <p>1. Press [5] button on remote control.</p> <p>To exit Doctor Mode, press [ϕ/I] button on main unit or remote control.</p>

Item		FL Display	Key Operation
Mode Name	Description		Front Key
CR14 inspection	<p>CR14 inspection operation:</p> <ol style="list-style-type: none"> 1. Load TRAY 1 (Move to PLAY position) 2. After that, TRAY 2 is open (TRAY 1 still in LOAD condition) and close. 3. Next TRAY 3 is open (TRAY 1 still in LOAD condition) and close. 4. Then TRAY 4 is open (TRAY 1 still in LOAD condition) and close. 5. Finally TRAY 5 is open (TRAY 1 still in LOAD condition) and close. 6. Tray 1 is unloaded. (Move to the STOCK position) 7. Tray 1 is loaded. (Move to the PLAY position) <p>When step 1 to 7 operates normally without any error, FL will display [CHGR_OK_]</p>	<p>If operation without any error</p>  <p>If operation with error</p>  <p>If NG, please refer to the original service manual of changer unit CR14C.</p>	<p>In doctor Mode:</p> <ol style="list-style-type: none"> 1. Press [DISC] button on remote control. <p>To exit Doctor Mode, press [⏻/I] button on main unit or remote control.</p>

7.2.3. Service Mode Table 3

Item		FL Display	Key Operation
Mode Name	Description		Front Key
Self Diagnostic History	Checking the records for self-diagnostic.		<p>In service mode:</p> <ol style="list-style-type: none"> 1. Press [1] button on remote control. <p>To exit Service Mode, press [⏻/I] button on main unit or remote control.</p> <p>To clear history, press & hold [0] for 5 seconds or more.</p>
Micro-P Version Display	<p>Checking of various items and firmware version.</p> <p>Note: The micro-processor version as shown is an example. It will be revise when there is an updates.</p> <p>FL Display sequenceDisplay [1 2 3]</p>	<p>(Display 1)</p>  <p>System Version</p> <p>(Display 2)</p>  <p>Jupiter Micro-P Version System Version</p>	<p>In service mode:</p> <ol style="list-style-type: none"> 1. Press [2] button on remote control. <p>To exit Service Mode, press [⏻/I] button on main unit or remote control.</p>
Cold Start (Reset)	To activate cold start upon next AC power up.		<p>In service mode:</p> <ol style="list-style-type: none"> 1. Press [3] button on remote control. <p>To exit Service Mode, press [⏻/I] button on main unit or remote control.</p>