

## TEST MODE

### ● How to enter the test mode

While pressing and holding the Preset 1 and Preset 3 keys, reset the unit.

### ● How to exit from the test mode

While holding the Preset 6 key, reset the unit.

(Note) The test mode cannot be terminated by reset the unit, ACC OFF, power OFF and Panel detached, momentary power down.

### ● Initial status in the test mode

- Sources : ALL OFF
- Display : All segments are lit.
- Volume : -10 dB (displayed as "30" )
- Loudness : OFF
- CRSC : OFF regardless of the presence of switching function.
- SYSTEM Q : Flat
- WOW : All OFF
- BEEP : When pressing any keys, the buzzer generates a beep at any time.
- AUX : ON
- MENU SYSTEM Q : OFF
- Variable model : Default is white
- Multifunction : Source dependency (Preset, SCAN, etc.)

### ● Special display in Tuner mode

When any of the following messages is displayed in Tuner mode, the F/E may be abnormal.

- "TNE2P NG" : The EEPROM is set to the default (unstable values) because the F/E was shipped without passing through the adjustment process, etc.
- "TNCON NG" : Communication with the F/E is not possible.

### ● Forced switching of K3I

Each press of the Preset 6 key in Tuner mode should switch K3I from AUTO → Forced Wide → Forced Middle → Forced Narrow → AUTO.

The initial status is AUTO and the display shows these modes as follows.

- AUTO : FMA
- Forced Wide : FMW
- Forced Middle : FMM
- Forced Narrow : FMN

### ● Test mode specifications of the CD receiver

- Forced ejection is inhibited in the reset start operation. When the unit is reset while a CD is loaded in it, the CD is not recognized by resetting.
- Each press of the Track Up key jumps to the following track numbers:  
No. 9 → No. 15 → No. 10 → No. 11 → No. 12 → No. 13 → No. 22 → No. 14 → No. 9 (The cycle restarts from here.)
- Each press of the Track Down key jumps to the previous track number to the track being played.
- When the number of total tracks of the MP3 disc or the WMA disc is less than 9, 1st track is played.
- When the disc media is CD, A short press of the Preset 1 key jumps to the track number 28.
- When the model is equipped the CD mechanism assembly adapted for MP3 or MP3/WMA disc, the mechanism name and version number are displayed during the FL model is lower stand and Display mode of LCD model is DNPS.

### ● Audio-related specifications

- Pressing the \* key on the remote initiates the audio adjustment mode.
- BL/F key on the Fader initials.
- Continuous holding of a remote control key is inhibited, and workings are short press of any keys.
- Bass, Middle and Treble are adjusted in 3 steps of -8 / 0 / +8 with the Track Up/Down keys (Default value at 0).
- Balance is adjusted in 3 steps of L15 / 0 / R15 with the Track Up/Down keys (Default value at 0).
- Fader is adjusted in 3 steps of R15 / 0 / F15 with the Track Up/Down keys (Default value at 0).
- HPF is adjusted in 2 steps of OFF / 170Hz (or 220Hz) with the Track Up/Down keys (Default value at OFF).
- LPF is adjusted in 2 steps of OFF / 120Hz with the Track Up/Down keys (Default value at OFF).
- Bass f, Bass Q, Bass EXT, Middle f, Middle Q and Treble f are not dealt with by the audio adjust.
- The WOW key pass during the audio adjustment as following steps.

Order	Mod.			Display
	TruBass	FOCUS	SRS	
①	OFF	OFF	OFF	SRS WOW OFF
②	ON	OFF	OFF	SRS TruBass ON
③	OFF	LOW	OFF	FOCUS LOW
④	OFF	HIGH	OFF	FOCUS HIGH
⑤	OFF	OFF	ON	SRS ON
⑥	ON	HIGH	ON	SRS WOW HIGH

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## ● Menu-related specifications

- A short press of the Q key initiates the menu mode.
- Pressing the DNPP key on the remote initiates the Menu mode.
- Continuous holding of a remote control key is inhibited, and workings are short press of any keys.
- Contrast is adjusted in 3 steps of 0 / 5 / 10 with the Track Up/Down keys (Default value at 5).

## ● Backup current measurement

When the unit is reset while ACC is OFF (i.e. by turning Backup ON), the MUTE terminal goes OFF in 2 seconds in place of 15 second. (The CD mechanism is not activated at this time.)

## ● Special display when the display is all on

Pressing the Preset keys while the power is ALL OFF displays the following information.

[PRESET 1]	Version display (8 digits, Month/Day/Hour/Minute) (Display) SYS xxxxxxxx : System microcomputer PAN xxxxxxxx : FL model only MEM xxxxxxxx : 4 contrasts FL model only
[PRESET 2]	Serial number display (8 digits) (Display) SNo xxxxxxxx
[PRESET 3]	Short press : View power ON time. (The All OFF period is not counted.) 2 seconds long press/hold : Clear power ON time at the power ON time displaying. (Display) PonTim xxxxx Max. 60000 (hours)
[PRESET 4]	Short press : Display CD operation time. 2 seconds long press/hold : Clear CD operation time at the CD operation time displaying. (Display) CDTim xxxxx Max. 60000 (hours)
[PRESET 5]	Short press : Display CD ejection count. 2 seconds long press/hold : Clear CD ejection count at the CD ejection count displaying. (Display) EjeCnt xxxxx Max. 60000 (times)
[PRESET 6]	Short press : Display Panel open/close count. 2 seconds long press/hold : Clear Panel open/close count at the Panel open/close count. (Display) PnCnt xxxxxx Max. 600000 (times)
FM key	Display ROM collection version. (Display) ROM R xxx Invalid : "R — —"
AM key	Display panel E2PROM condition. (Display) P-ROM OK (Registered code) P-ROM NG (Code is write in error) P-ROM WAIT (Unregistered code) P-ROM NON (Panel security nonfunctional)

## ● Panel mechanism

- Auto-panel close inhibition when set-in the CD.
- The panel operation inhibition at power ON/OFF and ACC ON/OFF.
- The panel position changing Eject  $\longleftrightarrow$  Last with a short press of the PLAY/PAUSE keys.

## ● Other specifications

- No displays such as "CODE OFF/ON" during Power-ON.
- The LINE MUTE inhibition time is one second from 10 seconds when start-up the test mode.
- Do not write the security code with the security jig on the test mode.
- Do not write the serial with the serial writing jig on the test mode.
- OEM display output is not stop if OEM display not connection on the test mode.

## ● Switching the frequency span (K/M type)

While holding the Preset 1 key and Preset 5 key, reset the unit.

## ● Response to OEM setting

## (Destination of electronic volume setting)

S03F/E models are response to OEM models option at put in  $\mu$ -com 2 pin.

Its setting are following steps.

IC2 TYPE0 (47 pin)	IC2 TYPE1 (48 pin)	Description
Low	Low	① Trade model (Initial quantify)
Low	High	② Trade model (CRSC change)
High	Low	③ OEM model-ready CRSC change
High	High	④ OEM model-ready CRSC & de-emphasis change

## ● Security-related information

## 1. Forced Power ON mode (All models)

Even when the security (Cord) is approved, resetting the unit while holding the Q and Preset 4 keys makes it possible to turn the power ON for 30 minutes.

After 30 minutes have elapsed, it is not possible to return to the previous condition unless the unit is reset again. (Security code is do not clear at this mode. Put the power on fill-in.)

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### 2. Method of registration of the security code after EEPROM (F/E) replacement (Code security model)

- 1) Enter the test mode. (See How to enter the test mode)
- 2) Press the MENU key to enter the Menu mode.
- 3) When the message "Security" is displayed, press and hold the Track Up/Down key for 1 second to enter the security registration mode.
- 4) Enter the code using the FM/AM/Track Up/Track Down keys.  
 FM key : Number up  
 AM key : Number down  
 Track Up key : Cursor right shift  
 Track Down key : Cursor left shift
- 5) Hold down the Track Up key for at least 3 seconds and the message, "RE-ENTER" appears, so once again enter the code according to Step 4 above.
- 6) Press and hold the Track Up key for 3 seconds until "APPROVED" is displayed.
- 7) Exit from the test mode. (See 2. How to exit from the test mode)  
 (Note 1) All Clear is not applicable to the security code of this model.  
 (Note 2) When the F/E changed, need re-inscription because the panel security is clear.

### 3. Simple way to clear the security code (K type only)

- 1) During code request mode, press the Track UP key for at least 3 seconds while holding down the AUTO key. (--- will disappear)
- 2) Enter, "KCAR" with the remote controller as described below.
  - Press the remote controller 5 key twice, and press the Track Up key. (Enters a "K")
  - Press the remote controller 2 key three times, and press the Track Up key. (Enters a "C")
  - Press the remote controller 7 key once, and press the Track Up key. (Enters an "A")
  - Press the remote controller 7 key twice, and press the Track Up key. (Enters an "R")
- 3) Security function is canceled and unit sets to All-Off mode.
- 4) Code request mode appears if a mistake was made in entering the numbers.

### 4. How to inscription the panel security code

- 1) Enter the test mode.
- 2) Pressing the AM key on all lighting, check the "P-ROM WAIT" display.
- 3) The NEXT key is long press 2 seconds, writing the code.
- 4) Display is "P-ROM OK".
- 5) Exit from the test mode.  
 (Note) E2PROM connection is NG when display is "P-ROM NG", so detach the panel and rewrite after the display is "P-ROM WAIT". This code can not clear.

#### ● Check the SRAM

Output (Hi) to the SRAM\_CHECK terminal on 101 pin when SRAM is function properly on the panel of 4 gradation FL models.

#### ● Check the Flash ROM

- 1) Display to the following effect at ALL OFF by assortment system computer and panel for cover the customization model attach the panel with no Flash ROM.
  - Customization system computer + Flash ROM panel : All lighting
  - Non customization system computer + Non Flash ROM panel : All lighting
  - Customization system computer + Non Flash ROM panel : Panel NG
  - Non customization system computer + Flash ROM panel : Panel NG
- 2) Output (Hi) to the FLASHROM\_CHECK terminal on 102 pin when Flash ROM is function properly.
- 3) Flash ROM data is initialized when pressing the AM key long hold at all lighting.  
 Display is "Data Erase ...." in data erasing mode. Do not touch anything this mode. When the data erase completed, display is "Erase OK!!".  
 If display is "Erase NG!!!!!!", Flash ROM data unable erase for some kind or another factors.  
 When same effect as pressing the AM key long hold and data erase once again, Flash ROM is defective.