754DI

**MP3-COMPATIBLE IN-DASH
DIGITAL MEDIA RECEIVER WITH
BUILT-IN iPod® DOCKING STATION**
WITH USB AND SD MEMORY CARD PORTS
AND FRONT PANEL AUX INPUT

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tech support: www.bossaudio.com/support

BOSS AUDIO SYSTEMS

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Trouble Shooting

Before going through the check list, check wiring connection. If any of the problems persist after check list has been made, consult your nearest service dealer.

Symptom	Cause	Solution
No power	The car ignition is not on.	If the power supply is properly connected to the car accessory terminal, switch the ignition key to "ACC "
	The fuse is blown.	Replace the fuse.
No sound	Volume is in minimum.	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
The radio does not work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signal are too weak.	Select a station manually.

Specifications

Supply voltage	: 12V DC(11V-15V)
Current consumption	: Less than 10A
Audio Signal Output	: 2ch line out
Characteristics	: (1) Frequency Response: 20Hz-20KHz
	(2) S/N Ratio: 50 dB(JIS)

	(Europe)	(U.S.A.)
	FM	FM
Frequency Coverage:	87.5 to 108Mhz	87.5 to 107.9Mhz
IF	10.7Mhz	10.7Mhz
Sensitivity (S/N = 30dB) :	20dBu	20dBu

	AM	AM
Frequency Coverage:	522 to 1620Khz	530 to 1710Khz
IF	450Khz	450Khz
Sensitivity (S/N = 20dB) :	45dBu	45dBu

NOTE:

Specifications and design are subject to modification, without notice, due to improvements in technology.

Setting Mode

You can make changes to the system setting in the following area:

Radio Frequency Range + Enable/Disable AUX In+ Clock Format

To enter setting mode, input the following command by pressing remote keys" 8, DOWN DIRECTION KEY, 9, ENTER "

The display will show "TEST MOD " breifly to indicate you are in system setting area and then automatically change to Radio Frequency selection mode. At anytime, you can press the DOWN ARROW to step through the above areas. When you are ready to leave the System Setting area, press ENTER. The unit will reboot to initialize with the new setting.

- Radio Settings
The unit can operate on several different frequency ranges. Please see the following for these ranges.

BAND NAME	FREQUENCY RANGE	
AMERICA 1	FM:87.5-107.9MHz	AM:530-1710kHz
AMERICA 2	FM:87.5-108MHz	AM:520-1620kHz
AMERICA 3	FM:87.5-107.9MHz	AM:530-1620kHz
EUROPE	FM:87.5-108MHz	AM:522-1620kHz
MIDEAST	FM:87.5-108MHz	AM:531-1602kHz
AUST(AUSTRALIA)	FM:87.5-108MHz	AM:522-1710kHz
RUSSIA	FM:65.0-108MHz	AM:522-1620kHz

To change the range to suit your location, press DOWN ARROW unit the desired frequency range is hight lighted. The press ENTER to save it and move to next setting area.
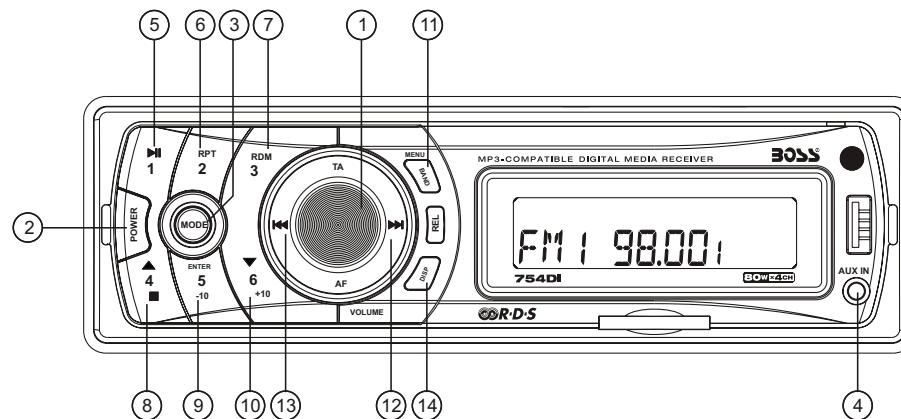
- AUX Input Enable/Disable
Press DOWN ARROW to move between Enable and Disable modes. When the selection has been made, press ENTER to save it and move to next setting area.

If AUX Input is disable in System Settings, any input connected will not be played.

- Clock Format (12-hour or 24-hour)
Press DOWN ARROW to move between 12-hour or 24-hour format, press ENTER to save it and turn off this unit.

General and Radio Controls

1. VOLUME UP/DOWN KNOB (turn)
   AUDIO MODE SELECTOE (push)
   In normal mode, use this knob to increase or decrease the volume level.

   To access the various sound parameters push the knob (like a button) to cycle through the following adjustable settings:
   VOLUME -> BASS ->TREBLE -> BALANCE -> FADER

   Use the knob to increase or decrease the settings for Volume, Bass, Treble, Balance and Fader.

   In each mode, the waiting time is about 5 seconds, and the time waiting time is over, it returns to the last display mode .
   The control mode of E.VOL is operated with following numeric display.
   - VOL: (MIN)00, 01,......46, 47(MAX).
   - BASS/TRE: -07, -06,…,00,…+06,+07
   - BAL: 0LR9, 1LR9, …, 9LR9,…, 9LR1, 9LR0
   - FAD: 0FR9,1FR9, …,9FR9,…, 9FR1, 9FR0

   Push and hold the knob (like a button) for more than 2 seconds to turn on TA ON/TA OFF, then push it and repeatedly to select TA SEEK/TA ALARM, PI SOUND/PI MUTE, RETUNE S/RETUNE L, MASK DPI/MASK ALL, BEEP ON /BEEP OFF, USER SET(FLAT, CLASSIC, ROCK, POP), VOL LAST/ VOL DEFA, STEREO/MONO(in RADIO mode), LOUND ON/LOUND OFF, DX/LOCAL(in RADIO mode), CLK ON/CLK OFF, CLK 12/CLK 24 mode.

   Use the knob to increase or decrease the settings for these functions.

2. POWER/MUTE
   Press POWER to turn unit on. Press the button to MUTE the audio. Press and hold POWER to turn it off.

3. MODE (Input Select)
Press this button repeatedly to cycle through the audio input sources:

CARD> AUX >TUNER > USB > IPOD

Please note:
ipod Mode can only be selected if an ipod is present in the dock.

4. AUX IN JACK
This jack is a convenient way to play music from an MP3 music player such as an ipod through your car audio.

Simply connect the headphone output of the MP3 player to this input jack, and press MODE button to select AUX as input source and begin playing music on the MP3 player.

Please note:
AUX IN Mode can only be selected if it is enabled in the system Settings.
If you are having problems with AUX IN mode, please check the setting.

5-10. RADIO PRESETS 1-6
These buttons are used to store the presets for radio stations. To set a preset, tune to the desired radio station. Then press and hold the preset to which you wish to assign that station for more than one second and release. To replace it with a different station, repeat the process and the new setting will override the previous one.

11.BAND
Press briefly, repeatedly to cycle between the five radio bands:
FM1 > FM2 > FM3 > AM1 > AM2

12&13. TUNE/SEEK UP/DOWN BUTTONS
Press these buttons briefly to step up or down the radio dial in single step increments. Press and hold for more than one-haft second and the tuner will enter the SEEK mode. In this mode the tuner will stop at the next strong station available.

14.DISPLAY
Press to display or adjust the clock. Press and hold this button until the time flashing then use the volume knob to adjust the time.
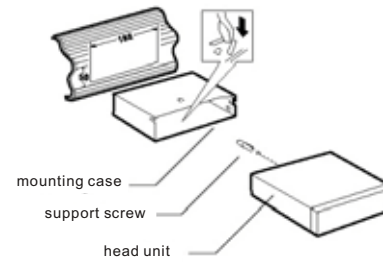
Installation

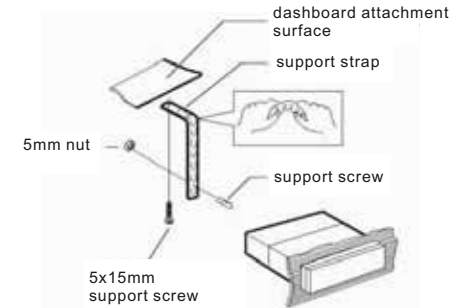
Figure 1 Bending the support tabs
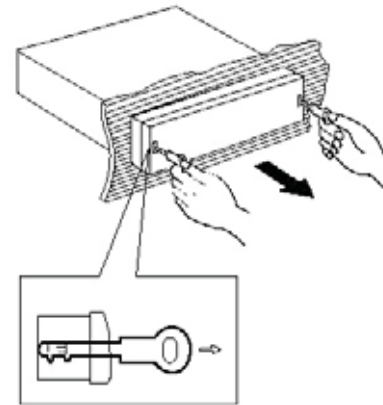

Figure 2 Forming the support bracket
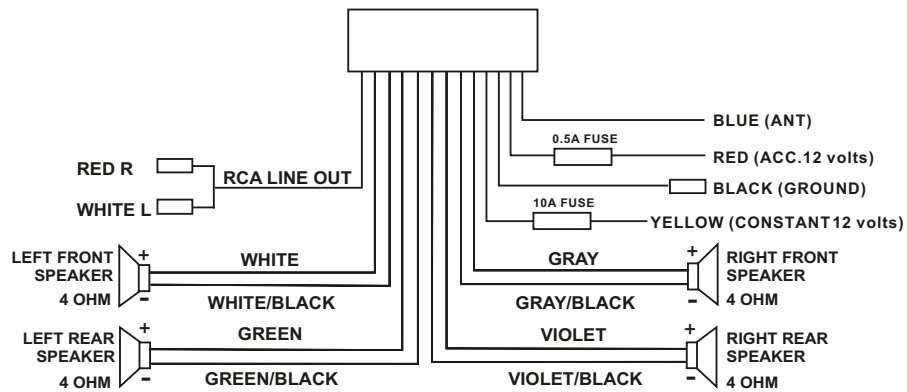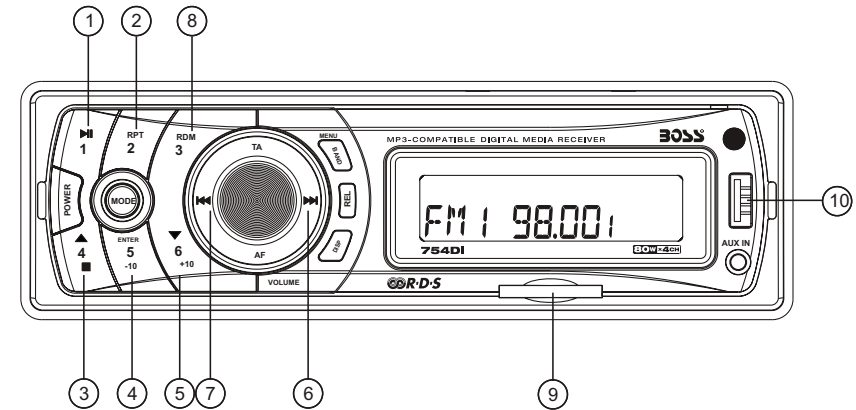

Figure 3 Insert levers unit "click" occurs, then use levels to pull out head unit.

Wiring connection diagram

RED R — RCA LINE OUT
WHITE L

BLUE (ANT)
0.5A FUSE
RED (ACC.12 volts)
BLACK (GROUND)
10A FUSE
YELLOW (CONSTANT 12 volts)

LEFT FRONT SPEAKER
+
4 OHM
−

WHITE
WHITE/BLACK

LEFT REAR SPEAKER
+
4 OHM
−

GREEN
GREEN/BLACK

GRAY
GRAY/BLACK

+
RIGHT FRONT SPEAKER
−
4 OHM

VIOLET
VIOLET/BLACK

+
RIGHT REAR SPEAKER
−
4 OHM

USB/SD Card (MP3 Playback) Controls

MP3-COMPATIBLE DIGITAL MEDIA RECEIVER
BOSS
POWER
MODE
RPT 2
RDM 3
TA
MENU
1
4
ENTER 5 -10
6 +10
AF
REL
VOLUME
R·D·S
754DI
FM1 98.001
AUX IN

To play tracks from a USB drive or SD card, insert the drive into the appropriate port/slot on the faceplate. The display will show " USB " or " CARD " , indicating that the drive is being read.

The unit will display tracks when ready by file name (or, if created with ID3-tag information, with Song Title, Artist and Album information) and will begin playing the first track in the directory.

1.PLAY/PAUSE
  Files will begin playback automatically upon insertion. To pause playback, press this button. Press again to resume playback.

2.RPT(Repeat Play Mode)
  Press this button to repeat the playback of all the files in the current folder automatically. " RPT ON/OFF " will be displayed. Press again to cancel.

3. STOP
  Pressing STOP will stop playback. To restart playback, press PLAY/PAUSE. Playback will begin with the first song of the current folder directory (NOT the track that was last playing).

4&5. -10 BUTTON
     +10 BUTTON
  To skip back or ahead 10 tracks in the current folder, press this button.

6&7.I<< and >>I(Skip back/skip forward, Fast rewind/fast forward)
  Press these buttons to skip back or ahead one track.

8.RDM (Random Play Mode)
Press this button for playback of all the files in the current folder in a random
order. "RDM ON/OFF" will be displayed. Press again to cancel.

9.SD CARD slot
Insert SD card in this slot for playback. Please note icon on panel which
shows you how to orient card (angled corner goes to left side of slot).

10. USB port
Insert USB drive in this slot for playback.

7.TA
In Radio mode, press this button to activated as TA mode on or off.
When TA mode is on(TA is displayed on LCD), it will begin to seek TA station
and TA SEEK will be displayed on LCD for a while.
When traffic announcement is transmitted:
1). If the unit is in MMC/SD, USB mode, it will switch to radio mode temporarily.
2). If volume level is below 20, volume level is raised to 20, and returns to its
previous mode and volume level when the traffic announcement is over.
If volume is adjusted during traffic announcement, only the traffic
announcement volume is valid.
* TA interruption function:
The current traffic announcement is cancelled by pressing this key. But the
TA mode will not be off.
* When TA is on, SEEK, (SCAN), AUTO MEMORY function can be received or
saved only when traffic program identification code has been received.
When TA is ON, traffic program identification code is not received during
specified time.

8.TUNE/SEEK & I<< and >>I (Skip back/skip forward, fast back/fast forward)
In radio mode, Press this button briefly to step up or down the radio dail in
single step increments. Press and hold for half second to enter SEEK mode.
In this mode the tuner will stop at the next strong station available.
In MP3/SD/MMC mode, press those buttons to skip back or ahead one track.
Press and hold for fast back or fast forward.

9.VOLUME -/VOLUME +
Use to increase or decrease volume level.

10.SOURCE (Input select, same as MODE on head unit)
Press the button repeatedly to cycle through the 5 audio input sources
in order to select either USB or SD modes.

11.> and <
In time setting mode, press the two button to adjust the time.

Operation of Remote Controller

1.POWER Use to turn receiver on/off

2.EQ(Preset Equalizer Curves)
Press repeatedly to cycle through these modes:
FLAT, CLASSIC, ROCK, POP, USER SET.

3.MUTE
Press this button to silence the audio.
Press again to restore the previous audio volume level.

4.PTY/LOC
In Radio mode, press this button to select PTY mode:
While selecting PTY TYPE, its selection is implemented
by preset buttons as described in preset key. (press one
of the 6 preset buttons briefly and repeatedly to select
the PTY TYPE in the preset button) When POP M or NEWS is on, the previous
PTY program and PTY word is displayed on LCD. If there are no keys entered
for 2 seconds, previously selected PTY is searched. During 1 loop, if desired
PTY is not found, NO PTY is flashed, then return to previous normal radio and
PTY word disappear.
Press and hold this button to select Local/DX mode:
In some areas, reception of an AM station may be weak. Changing the reception
mode to LOC by pressing this button allows the receiver to skip the weaker
signals. Press again to return to DISTANT mode.

5.RDM/AF
In Radio mode, press this button to activated as AF mode on or off.
When AF switching mode is selected, the radio checks the signal strength of AF
all the time. The interval of checking time of each AFs depends on the signal
strength of current station, from a few minute for strong station to a few seconds
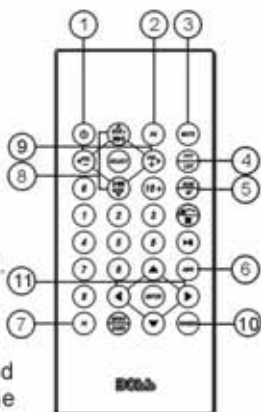for weak station.
Every time that new AF is stronger than current station, it switches over to that
frequency for very short time, and NEW FREQUENCY is displayed for 1-2
second.
Because the mute time of AF switching or checking time is very short, it is almost
inaudible in case of normal program.
During FM mode, when AF is on, SEEK, (SCAN), AUTO-MEMORY function can
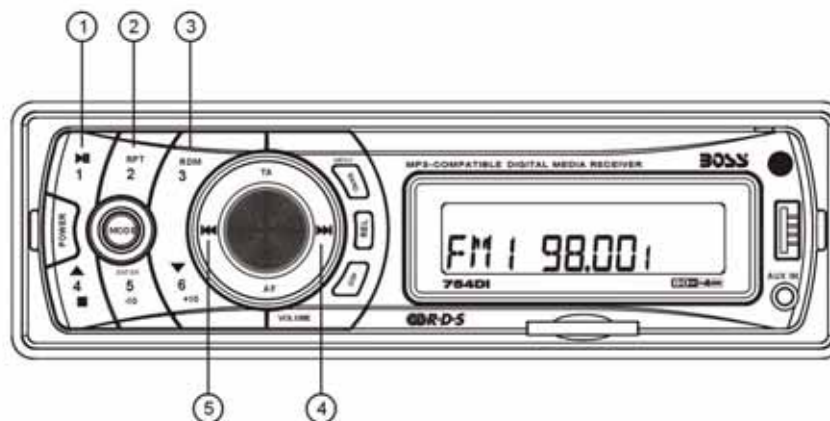only receive and save RDS program.

6.AMS
In Radio mode, press this button to play each preset number for several
seconds; press and hold this button to searches from the current frequency
and checks the signal strength level until 6 station are found. And then the 6
station frequency are preset to the corresponding preset memory numbered
bank. The auto-storage operation is implemented in each selected band.
When the auto-storage operation is finished, the radio execute the Preset scan.
After you finish to storage the radio band, you can use this buttons 1-6 to
select the preset stations.

iPod Playback Controls

Before removing the iPod from the dock, be sure to pause playback OR use
the MODE switch to change to another mode.

To play tracks from a iPod, first be sure you have the proper dock adaptor
inserted in the docking drawer . Then insert the iPod. The display will show
" iPod RMT ",indicating that the iPod unit has been recognized. Press
PLAY/PAUSE to begin playback.

Most of the iPod ' s menu functions can be displayed and controlled by the
754DI.
However, you can always control the iPod playback from the iPod itself if that is
more convenient for you.

Please note that the 754DI is compatible with almost all of the available
iPod units.

If it is not, you can still use the AUX input to connect the headphone output to
the 754DI, but you will not be able to control the iPod playback this way.

IPod not recognized? Is iPod Enabled in the System Setting?
An iPod in the dock will only be recognized if the iPod function is enabled
in the System Settings. If the 754DI does not recognize that an iPod is
present, check the System Settings to make sure that the iPod function
is enabled.

1.PLAY/PAUSE
Please to begin playback. To pause, press again. Press again to resume
playback.

2.RPT (Repeat Play Mode)
Press this button to repeat the playback of the current track.

3.RDM (Shuffle Mode)
Press this button for shuffle playback of all the files in your iPod playlist.

4&5.I<< and >>I (Skip back/skip forward, Fast rewind/fast forward)
Press these buttons to skip back or ahead one track. Press and hold for fast rewind or fast forward.
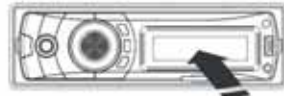
iPod Dock adaptors

The 754DI comes with a set of special iPod adaptors which fit a wide range of iPod models. These are specially designed for use with the 754DI, and hold the iPod firmly to the dock connector when the vehicle is in motion.

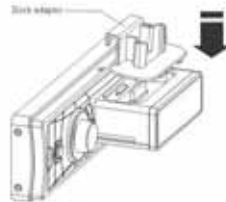Please install the appropriate dock adaptor as described below.

PLEASE NOTE:
"Official" Apple Universal Dock Adaptors can not be used in the 754DI.
Do not attempt to connect you iPod to the dock without the appropriate, specially-designed adaptor provided with the 754DI.
Boss Audio Systems can not accept any responsibility for any damage or date loss that may result from using your iPod in the 754DI and the specially-desiged dock adaptors.

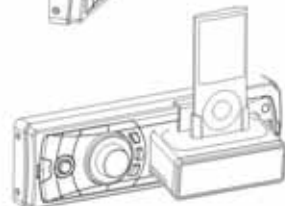1. Push on the face of the LCD to release and open the iPod docking drawer.

2. Select the appropriate size dock adaptor for your iPod. Lower it into the recess in the drawer, aligning the notches/tabs on the FRONT edge first.

3. As you lower the dock into the resess, be sure to align the tabs on the REAR edge of the dock adaptor with the slots on the top edge of the faceplate, and slide it down securely into place.

4. Insert your iPod into the dock adaptor. Press PLAY/PAUSE to begin playback.

iPod compatibility
The 754DI and its specially-designed, included dock adaptors are compatible with a wide range of iPod types. The compatible models are shown below:

iPod Mini

iPod Classic 80GB/120GB

iPod Nano 2GB/4GB/8GB (2nd generation)

iPod Nano 1GB/2GB/4GB (1st generation)

iPod video 30GB and iphone (5th generation)

iPod Touch 8GB/16GB (1st generation)

iPod Nano 4GB/8GB (3rd generation)

iPod Nano (4th generation)

iPod Nano (5th generation)

Adaptor No.: 4 For Model: iPhone* 4

If your iPod is not one of those compatible models shown above......
......you can still use the headphone out jack on the iPod and connect it to the AUX input on the faceplate. Use the MODE switch to select AUX IN and use the controls on your iPod to play music through the 754DI.

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BOSS Audio Systems can not accept any responsibility for any damage or date loss that may result from using your iPod int the 754DI and the specially-designed dock adaptors.

iPod charging
The 754DI circuitry is designed t recharge your iPod, giving you many additional hours to enjoy listening to your library of music and Podcasts.