

OPERATIONS MANUAL



MITSUBISHI
MOTORS



Navigation



DVD Player



Bluetooth



USB Ready



iPod Ready



AM / FM Tuner

MULTI-MEDIA SYSTEM

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Foreword

Thank you for selecting Multi–Media System as your new entertainment system. This owner's manual will add to your understanding and full enjoyment of the numerous fine features of this system. It contains information prepared to acquaint you with the proper way to operate and maintain your Multi–Media System for most pleasure. This system reserves the right to make changes in design and specifications. This owner's manual has been written in compliance with existing laws and regulations, but some contents may contradict with recent / new amendments of the laws and regulations.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Statement:

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Throughout this owner's manual the words **WARNING** and **CAUTION** appear.

These serve as reminders for utmost care. Failure to follow instructions could result in damage to your Multi–Media System or to your vehicle.

WARNING

Indicates a strong possibility of severe personal injury or death if instructions are not followed.

CAUTION

Means hazards or unsafe practice that could cause minor personal injury or damage to your vehicle.

You will also see other important symbols:

 **Note**  **Information**

Gives helpful information

Precautions

To avoid the risk of injury or accident, read the following precautions before operating the unit.

On safety

Comply with your local traffic rules and regulations.

- While driving
 - Do not use the System Setup feature while driving, or perform any other function which could divert your attention from the road.
 - avoid watching or operating the monitor. Park your car in a safe place to watch the monitor and operate the unit.
- While operating avoid
 - avoid inserting your hands, fingers or foreign object into the unit while the monitor is functioning. It may cause injury or damage to the unit.
- Keep small articles out of the reach of children.
- If your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating it.
- When you connect the back camera:
 - When you drive, watch the surroundings carefully for your safety. Do not depend on the back camera exclusively.
- When backing up your car, be sure to look back for your safety.
Do not touch the liquid crystal fluid if the LCD is damaged or broken. The liquid crystal fluid may be hazardous to your health or fatal. If the liquid crystal fluid from the LCD contacts your body or clothing, wash it off with soap immediately

Moisture condensation

When the unit's temperature falls (as in winter), the liquid crystal display will become darker than usual. Normal brightness will return after using the monitor for a while.

To maintain high sound quality

Avoid contact of Liquid materials (juice, soft drinks, coffee) onto the unit or discs unless permitted by the manufacturer of the system.

Playable discs

The following types of discs/files are compatible:

- CD-ROM (ISO), CD-R, CD-RW, DVD+R/RW, DVD-R/RW
 - CD-DA, DVD Video
 - MP3 data
 - WMA data
 - JPG images
 - WMV format
 - AVI format
 - MPG format
- The following types of discs/files are not compatible:
- WMA files that are protected by DRM (Digital Rights Management)
 - WMA lossless format
 - Discs recorded with Track At Once or packet writing
 - MP3 PRO format
 - MP3 playlists
 - WAV format

Some recordable DVDs and CDs may be incompatible with this unit, depending on media type and recording method.

NOTE:

It is especially important that you read the **WARNINGS** and **NOTES** in this manual.

1

DVD Region Management

Some DVD discs can be played only in certain playback modes according to the format of the software. As the unit plays discs according to their formats, some functions may not work as intended. Be sure to read the instructions provided with each disc. This player has been designed to play back DVD software that has been encoded for specific region areas. It cannot play back DVD software encoded for other region areas than the region areas for which it has been designed.

Features

- TFT Panel, all-in-one highly integrated entertainment system
- Built-in DVD Player, Radio automotive specification slot loading mechanism
- Built-in FM/AM Tuner Radio
- Digital 6.95"(16:9) TFT color monitor, contrast and brightness adjustment
- Built-in 40W X 4 output amplifier, 4.1 channel surround sound output.
- All functions can be operated via Smart Touch screen.
- Built-in iPod Control and Navigation system
- Powerful Graphic User Interface and software update ability.



Opening LOGO

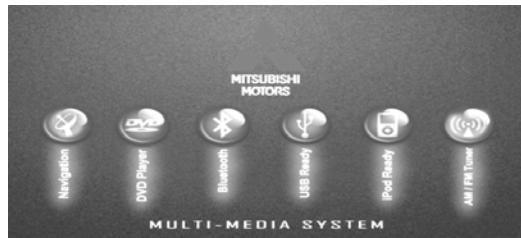


fig. 1

LOGO will appear 5 seconds after ignition "ON" and standby for about 15 seconds before the Car Info display or Multi – Information display shows.

NOTE:

- After displaying the opening logo, **Car info** is the default display on the screen. Even if the last source selected is **Disc** (MP3/DVD), **Navigation (NAVI)**, **Radio Menu** or **iPod / USB**.
- Reminders:
 - Multi-Info will display automatically when you turn the radio panel "OFF"
 - Touch the clock on the upper center to enter STANDBY MODE.(When the Radio is ON)
 - The Multi-Media System can also be controlled via the steering wheel remote control.

2

System Setup Menu, Controls and Indicators



fig. 2

MAIN Menu

There are two methods to access the **MAIN** menu

- Pressing the **SRC** button on the Radio panel to select desired source.
- Touching the upper Left corner on the touch-screen.

i NOTE:

Touch screen operations and **SRC** button on Radio panel are all useable to select menu and adjust settings. The following instructions will show the different ways to access menu and adjustments.

CONTROLS AND INDICATORS

1.EJECT – Press for disc Insertion / Ejection.

2.POWER OFF/ON, VOL and MUTE

- Press the dial to turn “ON” the unit.
- Press and hold the dial to turn “OFF” the unit.
- Rotate the dial to adjust the volume.
- Quick press when the unit is ON to activate “MUTE”.

3.SRC – Press to select desired source.

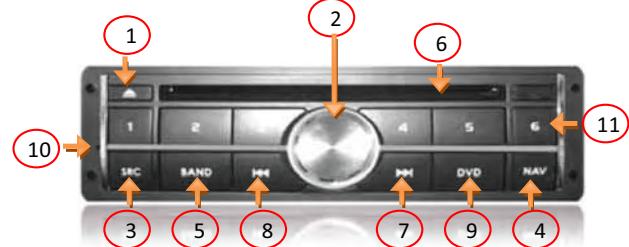


fig. 3

4. NAV – Press to enter navigation mode, press again to go back to previous mode.
5. BAND – Press to select FM/AM mode.
6. DISC SLOT
7. SEEK UP (▶) – Select the next chapter/track for playback. Search an available radio stations by increasing tuning frequency on tuner mode.
8. SEEK DOWN (◀) – Select the previous chapter/track for playback. Search an available radio stations by decreasing tuning frequency on tuner mode.
9. DVD – Press to access DVD mode.
10. RESET BUTTON – Restore to factory setting.
11. PRESET STATION – 6 numbered preset button store and recall stations for each band.
12. TFT MONITOR (Touch Screen) – Touch to Navigate between Main menu and Car Info Display. It is also used to go back to previous mode.

3

TFT Monitor Operation Instruction



fig. 4

Image Setting

Video Output Format

The table below shows the video output format for each source.

Table 1. Video Output Format

Playing Source	Video Output Format
FM/AM Tuner	RGB Mode
DVD	RGB Mode
NAVI	RGB Mode
AUX IN	CVBS Mode
CAMERA	CVBS Mode
iPod (Video)	CVBS Mode

* CVBS – Composite Video Base band Signal

Power ON / OFF (Radio Panel)

Press the POWER / VOL to turn the unit ON.

Press and hold the POWER / VOL on the radio panel to turn the unit OFF.

Playing Source Selection

Press the upper left of the TFT Monitor or Press the SRC button on the Radio Panel to change among available playing sources: Tuner, Disc, iPod, Aux In, Camera (rear camera), Navi, Bluetooth and USB. The playing mode is displayed on the TFT monitor.

Volume Adjustment (Radio Panel)

To Increase or decrease the volume level, turn the POWER / VOL on the radio panel. The volume ranges from 0 to 40.

Aux In Mode

An external audio/video device can be connected to this unit via USB / Aux In cable.

Camera Mode (Optional Device)

“CAMERA” Mode is only available when the camera is connected and when backing-up. To install a rear view video camera, connect the CAMERA video input cable to the rear view camera output cable.

i NOTE:

If you have not connected a device to the unit, the source cannot be selected.

Example: If you have not connected an iPod to the unit, the iPod source will not be available.

System Reset

To correct a system halt or other unusual operation, use the tip of a pen to Press the RESET button located on the front mid-left of the Radio Panel. After a system reset, the unit restores the setting before last power off.



fig. 5

Mute

The volume will be muted when pressing the knob or rotate the knob of Power / Volume it reduces the volume to "0".

NOTE :

Adjusting the volume knob or using any of the audio set-up features will cancel the mute function.

Audio Control Menu

The Audio Control feature allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. To get the best possible sound quality from your new system, be sure to adjust the setting for the speakers as well. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer.

Accessing the Equalizer Setting



fig. 6

Selecting an Audio Feature for Equalizer Adjustment

Press the Equalizer icon to select an audio feature to be adjusted. Touch adjusting icon () Left/Right to adjust the selected feature to the desired setting.



fig. 7

NOTE:

1. The Bass, Treble, Mid and Loud are only adjustable when EQ is on "User" mode.
2. The Loud function compensates for deficiencies in sound ranges at low levels.

3. Exiting the Audio Control Menu, press upper left of TFT Monitor to exit the Equalizer Setting.

Setup Audio Adjustment



fig. 8

Table 2.

Audio Function	Adjustable Range
User	
Flat	
Jazz	
Pop	
Classical	
Rock	
News	
Urban	
Rave	
Techno	
Movie	
Bass	-7 to +7
Treble	-7 to +7
Fader	R9 to F9
Balance	L9 to R9
Sub	-7 to +7
Loud	Off, or ON
Mid	-7 to +7

From the Main menu,
Touch the **SETUP** icon.

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Table 3.

Setting	Options	Function
Clock	(HH:MM)	Touch to adjust clock
AM/PM	-	Choose AM/PM format when setting the clock
Clock Mode	12H/24H	Choose clock mode 12H/24H
Bluetooth	On/Off	Activation/deactivation of the integrated Bluetooth function
Beep	On/Off	Beep sound ON/OFF option every touch or button press.

Accessing the Video Setup Menu



Press lower right icon of TFT Monitor to return to setup menu.

fig. 10

Accessing the General Setup Menu



fig. 11

- Touch the **SETUP** Icon on the Main
- Menu screen.
- Select **GENERAL** Icon

Selecting a Feature for General Adjustment



fig. 12

Table 4.

Setting	Options	Function
TV Shape	16:9 4:3	Change screen size (16:9/4:3)
Brightness	---	Touch the desired video brightness displayed, on scale from -5 to +5

6

Accessing the Misc Menu



fig. 14

Table 5.

Setting	Options	Function
Touch Screen Calibration	No / Yes	Touch "Yes" to enter the touch screen calibration mode.
Restore factory Settings	Yes / No	Select "Yes" to restore the factory settings of the multimedia system (except for password and parental control).
Version		Version display

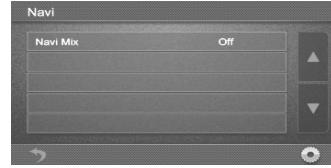
Accessing the Navigation Menu



fig. 15

- Touch the **SETUP** icon on the Main menu screen.
- Select **MISC** icon
- Touch the option directly on the screen to select a feature to be adjusted.

Selecting a Feature for General Adjustment



- Touch the option directly on the screen to select a feature to be adjusted.

fig. 16
Table 6.

Setting	Options	Function
Navi Mix	On/Off	

Tuner (FM/AM) Operation

● Tuner TFT Display



fig. 17

7

- Touch the **SETUP** icon on the Main menu screen.
- Select **NAVI** icon

- Press the icon (>) to increase the tuning frequency one step at a time.
- Press the icon (.) to decrease the tuning frequency one step at a time.
- Or touch directly on the Manual tuning display to locate your desired stations.

Using Preset Stations

Six(6) numbered preset buttons stored and recall stations for each band. Six(6) stored stations for the current band appear on the screen, touch the channel directly for use. You can press the buttons (◀◀ or ▶▶) on the Radio panel to see the other 6 stations.



fig. 19

Storing a Station

- Select a band (If needed), then select a station.
Example: FM1 103.6MHz
- Touch and Hold for 3 seconds the desired preset number to store Radio station.

Recalling a Station

- Select a Band (If needed).
- Touch On-screen preset buttons to select the corresponding stored stations or press the number button on the Radio panel.

Auto Store (AS)

Press **AS** icon on the screen to automatically scan and store all stations in current band.

Select FM/AM Band

Touch the **BAND** icon on the screen to change among the following bands: FM-1, FM-2, FM-3, AM-1 and AM-2.

Auto Tuning

Press the button (▶▶) on the Radio panel or touch the seek-up icon on the screen to seek the next available channel by increasing the tuning frequency.

Press the button (◀◀) on the Radio panel or touch the seek-down icon on the screen to seek the next available channel by decreasing the tuning frequency.

Manual Tuning

Touch the icon to display Manual tuning.



fig. 18

Program Scan (PS)

Touch the  icon on the screen for scan the stations in the 6 preset channels in the current band.

Scan

1. Touch the  icon on the screen to automatically scan all stations in current band to preview stations.
2. Press any to stop scanning and listen to the selected stations.

DX and Loc Stations Seeking (LOC)

When the Local function is ON, only radio stations with strong signal are tuned. When the Local function is active, "LOC" appears on the screen.

To activate / deactivate the local function in AM/FM tuner mode, touch the  icon on the screen.

DVD Player Operation

Insert / Eject Disc (Radio Panel)

Inserting a Disc – When Inserting a DVD disc, DVD mode is entered and disc play begins.



NOTE:

1. If Parental Lock (Rating) is activated and the disc inserted is not authorized, the 4-digit code must be entered and/or the must be authorized (see "RATING menu ").
2. You cannot insert a disc if there is already a disc in the Unit or if the power is OFF.
3. CD-R/RW, DVD-R/RW, DVD+R/RWs will not play unless the recording session is closed.

Ejecting a Disc (Radio Panel)

Press the  button on the Radio panel to eject the disc. The unit automatically reverts to Tuner mode at the same time.

G. Touch to view Playback Information.
H. Touch to Select Chapter.
I. Touch this Area to access Function Bar.

Pausing Playback

Touch the play/pause button  on the function bar to suspend or resume disc play.

Fast Forward/Fast Reverse

Touch the  on the screen to fast forward. Keep pressing or touching and releasing the button to increase the rate from "X 2", "X 4" and "X 8".

Touch the  on the screen to fast reverse. Keep pressing or touching and releasing the button to increase the rate from "X 2", "X 4" and "X 8".

Disc Setting



fig. 21

- Press the () arrow on the screen. Select a feature to be adjusted.
- Touch the option directly on the screen to select a feature to be adjusted.
- Press the lower left of TFT monitor to exit.

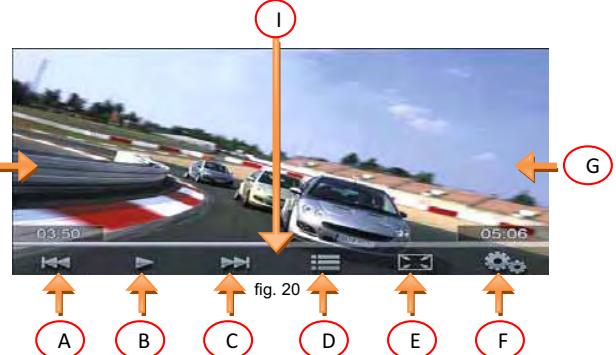
Reset the Loading Mechanism

If the disc does not load or does not play properly, press and hold the button  on the unit to reset the loading mechanism. The disc will be ejected and normal operation will resume.

Accessing DVD mode

To switch to DVD mode when the disc is already inserted, press the SRC button on the Radio panel until DVD appears on the screen or press the upper left of TFT monitor to locate Main menu, and then select DVD mode.

Using the Touch-Screen Controls



- A. Touch to go to the previous chapter or touch and hold to fast reverse.
- B. Touch to Play / Pause.
- C. Touch to go to the next chapter or touch and hold to fast forward.
- D. Press to go to Root menu.
- E. Touch to Exit Function bar.
- F. Touch to Enter Setup.

9

Table 7.

Setting	Options	Function
Subtitle	Yes/NO	Language Selection.
Search	Chapter/Title/Time	Go to specific Title, Chapter and Time on the disc.
Repeat A>B	Yes/NO	Use the A-B function to define a specific Time of a disc to repeat.
Repeat	Chapter/Title/Time	For VCD play, the repeat function is not available
Playback	Yes/NO	Display playback information on the screen, including the media playing and current playback time.
Angle	-	Change Angle view
Audio	-	Change Audio setup

Changing Subtitle Language

If you are watching a disc recorded in multiple languages with subtitles, select the **Subtitle** to choose the language in which you would like the subtitles to appear

DVD Playback Information

The following information is displayed at the middle of the screen during DVD playback:



fig. 22

Table 7.

Disc Symbols

Symbol	Meaning
(8))	Number of voice languages recorded. The number inside the icon indicates the number languages on the disc (maximum of 8).
32	Number of subtitle languages available on the disc (maximum of 32).
9	Number of angles provided (maximum of 9).
16:9 LB	Aspect ratios available. "LB" stands for Letter Box and "PS" stands for Pan/Scan. In the example on the left, the 16:9 video can be converted to Letter Box video.
3	Region 3: Taiwan, Hong Kong, South Korea, Thailand, Indonesia, South-East Asia.

Table 9.

General Disc Information

Symbol	12cm Disc Properties	Max Play Time
	Single side single layer (DVD-5)	(MPEG 2 Method) 133 minutes
	Single side double layer (DVD-9)	242 minutes
	Double side single layer (DVD-10)	266 minutes
	Double side double layer (DVD-18)	484 minutes
	Single side single layer (VCD)	(MPEG 1 Method) 74 minutes
	Single side single layer	74 minutes

CD/MP3/WMA/JPEG Operation

Instructions for Insert/Eject, Play/Pause, Stopping Playback, Track Selection, Fast Forward / Fast Reverse, Scan, and Random Play are the same for DVD, CD and MP3 operation. Please see the DVD Player Operation section for information about these topics.

The file naming formats listed below are compatible with this unit:

- ISO 9660 – file name: 12 characters, file extension: 3 characters
 - ISO 9660 – file name: 31 characters, file extension: 3 characters
 - Joliet – 64 characters
- If the file or folder name does not conform to ISO 9660 file system standards, it may not be displayed or played back correctly.

11

CD player User Interface

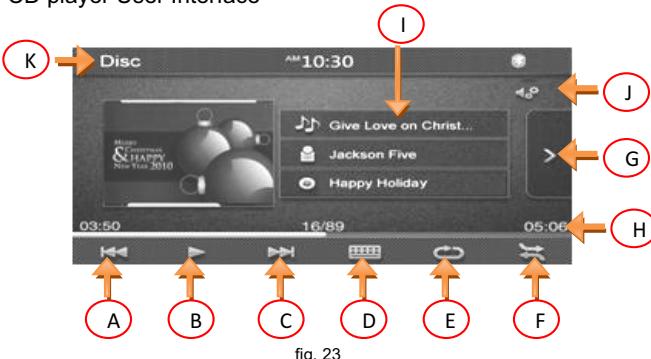


fig. 23

- Touch (◀) to play the Previous track or press the Radio panel.
- Touch (▶) to Play / Pause
- Touch to (▶) to play the Next track or press the Radio panel.
- Touch to display the numeric keypad on the screen and then use the numeric keypad to access a track directly.
- Touch to Repeat tracks.
- Touch to Random play.
- Touch to view track list page.
- Total playing time.
- TFT Display (Title, Artist, Album) * Depends on the Disc your playing
- Touch to go to Equalizer (EQ) setting.
- Touch to return to Main menu.

Playing CD Files

After inserting a CD disc, files will play in the sequence of the directory. In playing back, touch a track on the onscreen directly to play.

MP3/WMA Discs

This player allows you to playback MP3/WMA files recorded on CDROM, CD-R, CD-RW, DVD+R/RW and DVD-R/RW. For CD-RW discs, please make sure they are formatted using the full method and not the quick method to prevent improper disc operation. Use the following settings when compressing audio data for your MP3 disc:

- Transfer Bit Rate: 320kbps
 - Sampling Frequency: 48kHz
- When recording MP3 up to the maximum disc capacity, disable additional writing. For recording on an empty disc up to maximum disc capacity, use the "Disc at once" setting. The touch keys for MP3/WMA CD/DVD playback are described below.

iPod Operation

Accessing iPod Mode:

- To switch to iPod® mode go to the Main menu and touch the iPod® icon on the TFT Screen or press the SRC button on the Radio panel.

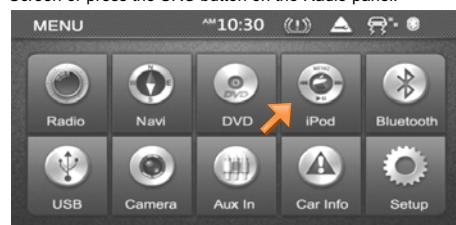


fig. 24

12

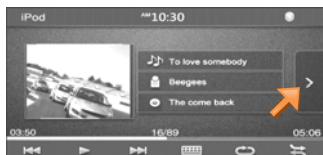


fig. 25

1. Touch to view Root Display.



fig. 26

2. Touch songs to display tracks.



fig. 27

3. Touch to select a song.

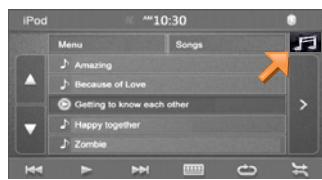


fig. 29

(If there are videos on iPod, you can play them by selecting them on the screen. They will start to play, otherwise there will be nothing on the display.) However, you can return to listen to your music by pressing the icon.

USB operation



fig. 30

Accessing USB mode:
Touch the USB icon on the TFT monitor or press the SRC button on the Radio panel as your source.

Bluetooth Operation

Before using the Bluetooth, it's necessary to perform the following steps. For more operating details, refer to each section below.



fig. 31

1. Select the "Bluetooth" option in the General setup and select the "On" option to activate the Bluetooth feature.

Playback of video on iPod



fig. 28

For playback of Video on iPod,
press the icon

13



fig. 32

2. Pair your mobile phone to this unit (refer to the "Pairing" operation). It is necessary to pair your phone to the unit. Without pairing, Bluetooth function will not be available.



fig. 33

- When the Bluetooth function is "Off", there is no Indicator
- When the Bluetooth function is "On" and no phone is connected to the unit, the indicator is gray
- If a phone has been connected to the unit, the indicator is blue

Accessing Bluetooth Mode



fig. 34

Touch the button at the top of the touch screen to access Bluetooth mode directly. 00

Bluetooth User Interface

Dial Interface

1. Touch to access Dial Interface



fig. 35



fig. 36

- NOTE: Wait until synchronization is completed.
2. Touch to navigate Call Log (Dialed, Missed, Received).



3. Touch to access Contacts.



fig. 38



fig. 39



fig. 40

4. Touch the search icon to locate names registered.



fig. 41



fig. 42

5. Touch to access Music control menu.



fig. 43



fig. 44

NOTE: You can play music from your mobile phone thru A2DP function.

6. Touch to access Device menu.



fig. 45



fig. 46

7. Touch to access BT Setting menu.



fig. 47



fig. 48

Contacts

Touch the icon to access the **Contacts**.

You can see phone book list, SIM book list, dialed call list, received call list, missed call list.

If the number has been stored in the **Contacts**, it can be accessed by touching or on the screen to navigate through the Contact entries.

Then, touch the number to initiate the phone call.

NOTE: Not all Bluetooth enabled phones support this feature.
A2DP function is not available on Navi mode.

Bluetooth setup

Touch or go to main menu, touch the Bluetooth icon on the TFT screen, then touch Add Device display on the screen.



fig. 49



fig. 50

15

Now you can pair a phone with the unit.

This unit can be paired with 5 mobile phones, but only one can be active at a time. The Default phone will be retained only if all other paired phones are deleted. (Default Phone: The phone that was first paired with the unit.)

When maximum pairing has been completed, that is, four mobile phones have been connected with the unit, and you want to still pair a new one, then the system will retain the default phone and last used phone used. The phone least used (except the default phone) will be deleted and the new paired phone will become the last used phone. (Last Used Phone: The phone connected with the unit that was used last.)

If you want to pair your phone with the unit, use the password **1234** to complete the pairing. When asked, enter this password in the phone you are pairing with this unit.

Auto Connect

If the unit has been set to auto connect, it will attempt to connect to the last used phone first. If Auto Connect is not activated, the unit will return to the previous operating mode. When the phone connects to the unit successfully, all of the cell phone's Bluetooth enabled options will be active.

Making a phone call



fig. 51

There are four ways to make a phone call from this unit:

1. Make use of the Number dial on the screen to make a call.
2. You can Enter the phone number using the numeric keypad and touch the icon to make a call. (must be in the Bluetooth mode)
3. You can open the phone book and select one to make a call directly. (your mobile phone must support this option)
4. If your phone supports voice dial, access this mode on your phone instead of using the phonebook.

Answering an incoming call

You can answer an incoming call manually using your handset or by touching this icon.

End a call

Touch the icon to end a call.

Telephone and Information

Telephone (Hands free system for cellular phone)

Hands free system allows you to make or receive a call without taking your hands off the steering wheel by connecting your cellular / mobile phone to the unit via Bluetooth. Bluetooth is a wireless data system by which you can call without your cellular phone being connected with a cable or placed on a cradle. If your cellular phone does not support Bluetooth, this system cannot function. The operating procedure of the phone is explained here.



NOTICE :

Do not leave your cellular phone in the car. The temperature indoor may be high and damage the phone.

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BLUETOOTH DISCLAIMER

The types of Bluetooth® devices (including mobile phones) that can be connected to the hands-free system are limited and, even among compliant devices; some may not operate reliably with this product. Prior to operation, check the compatibility of your device with its manufacturer.

Although Bluetooth® is intended to be a standard protocol, Bluetooth® device manufacturers may incorporate certain changes within this standard protocol over the course of the product lifecycle of the device (especially mobile phones). These changes are outside the control of this product and may result in the Bluetooth® functionality becoming impaired.

- The Bluetooth connection may be cut.
- Noise may be heard on the Bluetooth audio playback.
- Talk alternately with the other party on the phone. If you talk at the same time, the voice may not reach each other. (It is not a malfunction.)
- Keep the volume of the receiving voice down. Otherwise, an echo will be heard and receiving voice can be heard outside of the vehicle. When you talk on the phone, speak clearly towards the microphone.
- In the following situations, your voice may not reach the other party.
- Driving on unpaved road. (Making a traffic noise.)
- Driving at high speed.
- The window is open.
- Turning the air-conditioning vents towards the microphone.
- The sound of the air-conditioning fan is loud.
- There is an effect from the network of the cellular phone
- It may take time, the phone connection is carried out during Bluetooth audio play.

INFORMATION

In the following conditions, the system may not function :

- The cellular phone is turned off.
- The current position is outside the communication area.
- The cellular phone is not connected.
- The cellular phone has a low battery.
- Even if your cellular phone supports both hands free and audio
- Bluetooth connections, it may not be able to connect to the hands free connection at the same time.
- When using Bluetooth audio and hands free at the same time, the following problems may occur.

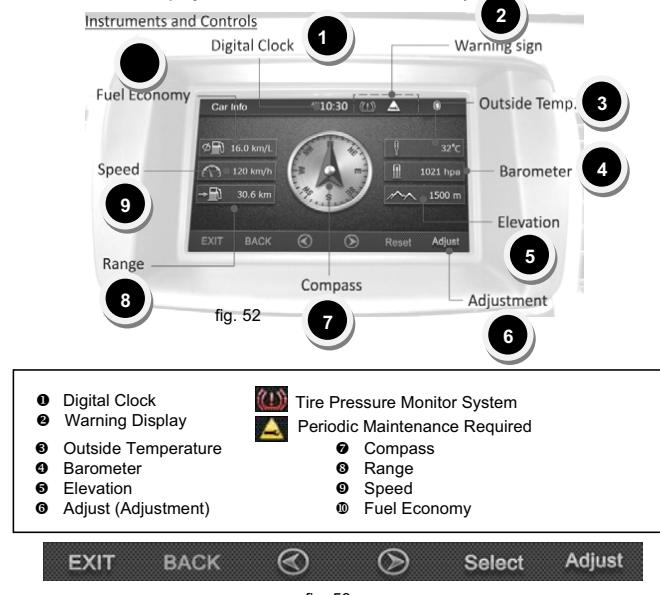
Table 10.

Specifications	
CEA Power Ratings	
Main Amplifier	<p>Power Output: 20 watts RMS X 4 channels into 4-ohms @ < 10% THD+N Signal to Noise Ratio: 70dBA below reference. (Reference: 1 watt, 4-ohms) MAX Power : 40 X 4 watts into 4-ohms, all channels driven Frequency Response: 20Hz to 20kHz. -3dB Aux input used as source reference Reference Supply Voltage: 14.4VDC</p>
DVD/CD Player	<p>Compatible formats: DVD-R, DVD-RW, DVD+R, DVD+RW, CD-R, CD-RW, CD-DA, MP3, WMA, HDCD, SVCD, VCD, MPEG, JPEG, MP3/WMA files burned onto a DVD+RW or DVD-RW and CD-R/RW Signal to Noise Ratio: 85dBA Dynamic Range: >95dB Frequency Response: 20Hz to 20kHz, -3dB Channel Separation: > 60dB @ 1kHz D/A Converter(s): 6-channels high performance 24-bit, 192kHz, multi-bit Sigma Delta modulation. DAC supports sample rates from 8-192kHz. Electronic Skip Protection (ESP): DVD: 2-3 sec, CD-DA: 10 sec, MP3: 100 sec, WMA: 200 sec (ESP time approximate) Mechanical anti vibration ability: 10~200Hz, X/Y/Z direction: 1.0G</p>
Video Section	<p>Format: NTSC, PAL (auto-detection) Output: 1Vp-p (75-ohm), buffered Input: 1Vp-p (75-ohm)</p>
FM Tuner Section	<p>Tuning Range: 87.5MHz - 107.9MHz Mono Sensitivity (-30dB): 10dBu Quieting Sensitivity (-50dB): 15dBu Alternate Channel Selectivity: 70dB Signal to Noise Ratio @ 1kHz: 58dB Image Rejection: 60dB Stereo Separation @ 1kHz: 30dB Frequency Response: 30Hz - 15kHz, -3dB</p>
AM Tuner Section	
Monitor Section	
General	

* Specifications subject to change without notice.

Multi-Information Display

After the display of the opening LOGO for about 15 seconds, **Vehicle Information** replaces it as the **DEFAULT display**, the last source will have audio only.



EXIT BACK Select Adjust

fig. 53

Functional icon: You can **Select Functions** to adjust / set, exiting and return to previous selection.

Digital Clock: Indicates the time.

Changing the clock settings, from main menu touch the Setup icon to display general setup menu. →Page 8

Warning Display (See Page 29 - 31)

Outside Temperature: The outside temperature is read every five (5) minutes.

Barometer: This display shows the atmospheric pressure at the present location, values are read every five(5) minutes.

NOTE :

Touching the RESET function will not reset the indication hPa

Elevation: The current elevation in units is 100m (400ft) as shown. The elevation is read every five(5) minutes.

To adjust the elevation: Touch the 1500 m elevation icon on the screen, then adjust by touching icon or .

The adjustment icon increases by 100m (400ft) every time you lightly touch the icon. Continuous touching of the icon for about two (2) seconds or more, will result in the indication to fast-forward. Then the setting changes to the elevation selected.

The adjustment icon decreases by 100m (400ft) every time you lightly touch the icon. Continuous touching of the icon for about two (2) seconds or more, will result in the indication to fast-forward. Then the setting changes to the elevation selected.

19

NOTE:

- The elevation is determined from changes in atmospheric pressure. Depending on weather conditions, the indicated elevation may differ from the actual elevation.
- Variations in atmospheric pressure can cause different elevation to be shown even in the same location. Use the indication as a guide only.

Fuel Economy: The average value of the fuel consumption is read every 5 minutes.

Resetting the average fuel consumption:

- Touch the 16.0 km/L icon on the screen.
- Touch the "RESET" icon on the screen.
- Value shown " --, " km/L.



fig. 54

NOTE :

- When the average fuel consumption cannot be calculated, " --, " will be shown.
- The average and momentary fuel consumption change will depend on the driving condition (road condition, driving behavior, etc.). The indication may differ from the actual fuel consumption. Therefore, it is recommended to use the indication only as reference.

Compass: This compass shows the direction of the vehicle.

NOTE:

- This system uses the earth's magnetic field, and so may not show the correct direction depending on the traffic condition or in the following places where the earth's magnetic field is disrupted.
 - Car parks located in buildings and tunnels.
 - Expressways and underground cables.
 - Areas along railroads

Adjust (adjustment)

Every time the "Adjust" icon is touched lightly, the display will change into two selections :

1. COMPASS SETTING

Touching the ADJUST icon will display compass VARIANCE as default, to search CALIBRATION, touch the icon or .



fig. 55



fig. 56

2. BAROMETER SETTING

Touching the ADJUST icon will display Barometer ADJUST, to search Barometer DEFAULT, touch the icon or .



fig. 57



fig. 58

20

Compass Variance

To adjust compass variance, touch the **SELECT** icon to display adjustment data.



fig. 59

- Touch the icon or to set the desired declination.
- When the declination has been completed, touch the "SET" function icon.

Setting the Declination

The declination is the difference between true north (the direction of the geographic north pole) and where a compass needle points to. Since the declination varies from place to place, it needs to be for each region. Otherwise the compass will not show the declination by the following steps:

NOTE:

- The default declination setting is 0 degrees. In accordance with the illustration, set the declination setting to the declination contour nearest to a region where you drive the vehicle.

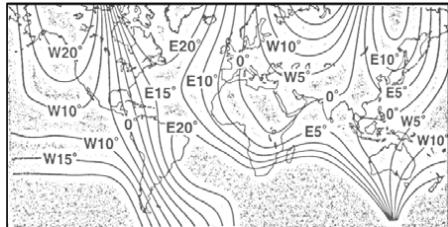


fig. 60

• Touch the icon or to set the desired value.

• Touch the "SET" icon to complete the input date.

- Touch the icon or to set the desired value.
- Touch the "SET" icon to complete the input date.



fig. 63

Barometer Default

To Set Barometer Default, touch the **SELECT** icon to display "Current Value: ___hPa REALLY?"



fig. 64

- Touch the "SET" icon to display the default Barometer Value "CURRENT VALUE:300hpa REALLY?"



fig. 65

- To return to Car info, touch EXIT



fig. 66

- The declination can be set at intervals of 1 degrees, from 28 degrees west (W28) to 28 degrees east (E28).

Compass Calibration

touch the **SELECT** icon to display "CALIBRATION READY"



fig. 61

To Calibrate compass:

- Touch the **SELECT** icon again to display "Please drive slowly in a safe open area"
- Turn the vehicle slowly through 360 degrees in a safe open field with no buildings and other vehicles.

NOTE:

- If you wish to stop calibration the compass part-way through the procedure, the compass may not be properly calibrated in this case, you must turn the vehicle through 360 degrees.

Barometer Adjust

This display shows the atmospheric pressure at the present location. The atmospheric pressure values are read every 5 minutes.



fig. 62

Range: This shows the distance (in km) that can be driven on the fuel remaining in the fuel tank. The driving range is read every 5 minutes.

NOTE:

- When the vehicle is fueled, the driving range will be updated. However, if the amount of fueling is small, the indication may not be correct. It is recommended to fill the tank as much as possible.
- The driving range is shown based on the accumulated fuel consumption data, However, it may change depending on the driving condition (road condition, driving behavior, etc.). If the battery terminals are disconnected, the accumulated fuel consumption data will be erased. It is recommended to use the indication as reference.
- When the vehicle is stopped on a steep slope, the value of the driving range may increase. This is caused by the fuel movement inside the tank on the slope and is not deemed as a failure. (malfunction)

Speed: The average value of the speed is read every 5 minutes.

Resetting the average speed:

- Touch the 120 km/h icon on the screen.
- Touch the "RESET" icon on the screen.



fig. 67

NOTE:

- When you turn the ignition switch to the "ON" position about 4 hours (or more) after turning it from the "ON" position to the "ACC" or LOCK" position, the average speed indication will automatically be reset.

NOTE:

If you using other source like Radio or DVD, you can also locate Car Info by touching the upper left of TFT Monitor. Then, from Main menu select the  icon to display two selections:

- Directly touch the screen to select information display. The selected info will turn yellow.

- Then show the information you want to see.

Multi – Info Display



fig. 68



fig. 69



fig. 70

TPMS Display

Tire Pressure Monitor System (TPMS)

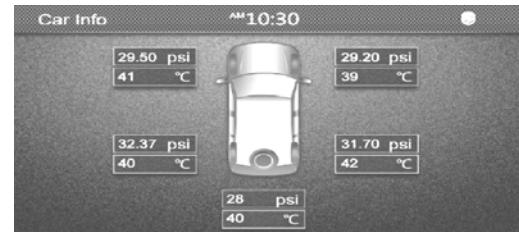


fig. 71

This advanced system will provide you peace-of-mind while it helps you monitor the pressure and temperature level of your vehicle's tires. Properly inflated tires provide improved safety, fuel economy and extend tire life over those that are operated either under, or over-inflated. You will need to refer to your vehicle's specific tire pressure requirements for the size and types of tires you are using. Carefully follow the instruction in the manual while installing Tire Pressure Monitoring System. Failure to do so may result in system malfunction, non-operation or damage of system components. If you are not qualified to perform these installations, we suggest you consider having a qualified technician from an auto repair shop or tire installation facilities to install this system for you. Make sure they have access to this manual prior to installation of your Tire Pressure Monitor System.

23

NORMAL MODE DISPLAY

This display shows a normal condition.

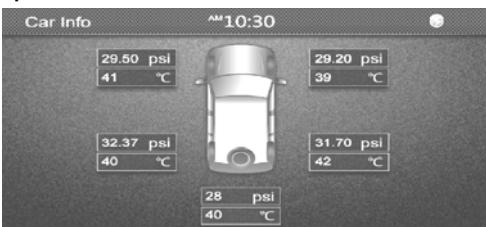


fig. 72

ABNORMAL MODE DISPLAY

This display shows an abnormal condition.

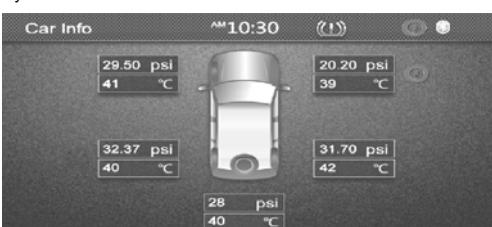


fig. 73

NOTE:

All sensors are pre-programmed at the factory for a specific wheel location, which is used for the first installed on your vehicle positions are indicated on a label attached to the front of the sensor body.

Sensor Label:

- FL = Front Left
- FR = Front Right
- RR = Rear Right
- RL = Rear Left
- ST = Spare Tire



fig. 74

In case of change in wheel's locations due to tire's rotation on your vehicle, please follow the **Tire Exchange Mode** procedure to change wheel's location on your vehicle.

Tire Exchange Mode

- Touch the Front Left Tire for 5 seconds to enter the Tire Exchange mode.



fig. 75

- The Front Left tire will turn yellow.
- The Rear tires will turn to Green.



fig. 76

24

Front and Rear Tire Exchange Mode (Parallel Change)

Procedure Mode:

1. Touch the Front left tire for five(5) seconds to enter Tire Exchange Mode.



fig. 77

2. Touch the Rear left tire, the front tires will exchange with the Rear Tires.



fig. 78



fig. 79

- After the data has been transmitted, tire exchange mode will automatically exit and return to normal mode.

Front and Rear Tire Exchange Mode (Cross Change)

Procedure Mode:

1. Touch the Front Left tire for five(5) seconds to enter Tire Exchange Mode.



fig. 80

2. Touch the Rear Right tire. The Front tire will exchange with the Rear tire across.



fig. 81



fig. 82

- After the data has been transmitted, tire exchange mode will automatically exit and return to normal mode.

25

Spare Tire Exchange Mode

Procedure Mode:

1. Touch the Front left tire for five(5) seconds to enter Spare Tire Exchange Mode.



fig. 83

2. Front and rear tires will turn green and spare tire will turn to yellow.



fig. 84

3. Touch any of the green tire that will be exchanged with the spare tire.



fig. 85

- After the data has been transmitted, tire exchange mode will automatically exit and return to normal mode.

In-Case of Abnormal Mode Display

1. Warning Indicator

This icon will appear when the default value change.

Table 11.

When the Pressure become:	
Low Pressure	24psi
High Pressure	34psi



fig. 86

2. Pressure High/Low First Stage

• First stage alert will show icons when the values change.

• Alert indicator will appear on the top portion of the screen and the module beeps every two(2) minutes interval. These icons will disappear only when inflated/deflated required pressure values.



fig. 87

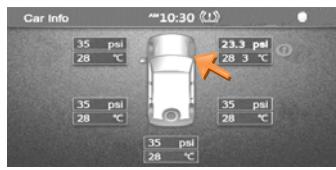
• The Warning indicator will appear.



fig. 88

26

- Tire symbol will turn color "RED".



- Tire pressure value turned "YELLOW".



Table 12.

Pressure Range:	
Low Pressure	24psi up to 19psi
High Pressure	34psi up to 41psi

3. Pressure High/Low Second Stage

- Second stage alert will show icons when the value change.

- Alert indicator will appear on the top portion of the screen and the module beeps every 2 minutes. These icon will disappear only when inflated/deflated to required pressure values.



27

- Tire symbol will turn RED.
- Tire pressure value will also turn RED.

Table 13.

Pressure Range:	
Low	18psi below "ALERT PRESSURE"
High	42psi Above "ALERT PRESSURE"

WARNING!

- If the Tire Pressure Monitor System (TPMS) indicator icons appear on the screen, slow down immediately and avoid any severe braking or steering maneuvers. As soon as you do so safely, stop and check the tires.
- It is the driver's responsibility to ensure that the tire pressures are correct. Check the tires regularly.
- Always adapt the tire pressure accordingly when the vehicle load changes.
- Under certain conditions (poor road surface) the tire pressure indication may not light up immediately.
- Please ask your nearest MITSUBISHI dealer or workshop whether run flat tires can be used on your vehicle.



SIGNAL LOSS

Loss of signal = the system does not receive the signal of a sensor.

- NOTE:
in case of loss signal, you will see the tire pressure and temperature is blank.

- The display will update Twenty(20) minutes after the system experiences signal loss.



Precaution:1

- Please be careful when replacing tires, carelessness might cause damage to your TPMS SENSOR located inside.
- When servicing please be guided the service center staff, they may not familiar with tire pressure monitor system (TPMS) except MITSUBISHI DEALER and Qualified Workshop.

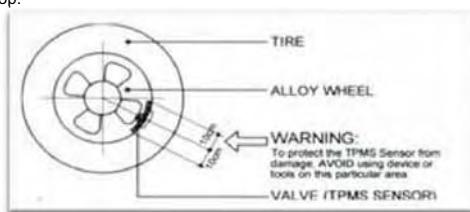


fig. 93

Periodic Maintenance

- Service reminder: After a certain mileage, a Periodic Maintenance Required reminder will appear in the screen each time the ignition is switched ON.



Resetting the display

Your dealer or qualified workshop resets the "Periodic Maintenance Required" after each service.

NOTE:

- Only Mitsubishi Dealers and qualified workshop are authorized to disable the PERIODIC MAINTENANCE REQUIRED display.
- The first service maintenance warning will display after the 1st 1000km and the next service interval display will be every 5000km.
- If the PERIODIC MAINTENANCE REQUIRED appears on the screen and you want to proceed any menu source.

- Touch the icons on top of the screen, select your desired icon (TPMS, Bluetooth and Clock)



- To go to other Menu, touch the upper left portion of the screen to enter the Main menu or press the SRC button on the Radio panel to select your desired menu.



Steering Wheel Remote Control



fig. 97



INSTALLATION

fig. 98

Table 14.

Button	Function	Operation
Mode	iPod or USB Disc AUX Radio Navi	Single Press to select source
Seek	Radio iPod or USB Disc	Single Press = Select PRESET Station and Tracks
Volume	Radio iPod or USB Disc	Single Press = Increase and Decrease Volume

Replacing the Lithium Battery of Remote Control

When the operation of the Steering Remote stops prematurely or permanently, replace the battery with a new lithium battery. Make sure the battery polarity replacement is correct.

WARNING:

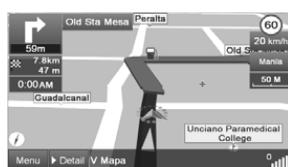
- Store the battery where children cannot reach.
- Do not recharge, short circuit, disassemble or heat the battery.
- Do not expose or bring into contact the battery with other metallic materials. Doing this may start a fire.

Navigation System

UNDERSTANDING THE MAP PAGE



fig. 99



3D VIEW

fig. 100



2D VIEW

fig. 101

1. **GPS satellite signal** – Represents the satellite signals being received by your navigation system. When you see green bars with a number greater than three(3), you have a strong signal.
2. **Distance turn** – Shows the distance and next turning point.
3. **Speed** – Shows the speed of your driving.
4. **Distance** – Shows your current / present distance to your destination.
5. **Time to Finish** – Shows the remaining time to reach your destination.
6. **Time** – Shows current time.
7. **Menu** – Select to access the functions on menu.
8. **Turning Point** – Shows the name of the street of your next turning point.
9. **North Up / Track Up** – Shows North Up or Track Up view.
10. **Street** – Shows current street name.
11. **City** – Shows the current name of the city.
12. **Detail** – Select to access the following functions:
 - **2D / 3D** – Sets to change the view of the map.
 - **Quick Menu** – Sets the systems default functions for Gasoline stations, Hospitals and Alternative Routes.
 - **Alternative Route** – Sets category to your waypoint.
 - **Scale** – Sets to scale the map.
13. **Car Position** - Shows car's location relative to the map.
14. **Speed Limit** - Shows the speed limit.

Acquiring Satellites

Before the navigation system can find your current location and navigate a route, you must do the following:

1. Go outdoors to open area, away from tall buildings and trees.
2. GPS antenna should be located on the dashboard, so that it is parallel to the ground.
3. Turn on the navigation system. Acquiring satellite can take a few minutes.

The bars  indicate satellite strength. When the bars are Red With a number beside it (should be greater than 3), the navigation system has acquired satellite signals; you can now select a destination or POI and navigate to it.

About GPS Satellite Signals

Your navigation system must acquire GPS (Global Positioning System) satellite signals to operate.

If you are indoors, near tall buildings or trees, or in a parking garage, the navigation system might not acquire satellites. Go outside to an area free from tall obstructions to use your navigation system.

When the navigation acquires satellite signals, the signal strength bars on the Map page are  Red. When it loses satellite signals, the bars disappear. Touch the signals strength bars in the lower right corner of the Map page or go to Setting menu – GPS info to view GPS information. Touch anywhere on the screen to return to the Map page.

Finding your Destination using Address



fig. 102

1. On the Menu page, Select **Destination**.



fig. 103

2. Select **Address**.



fig. 104

3. Select the City you want to visit on the list. Or if there is no data on your list try to select **District**.

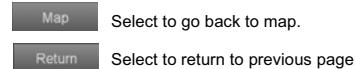


fig. 105

4. Enter the name of the City you want to visit.



fig. 106

5. Enter the name of the Road.

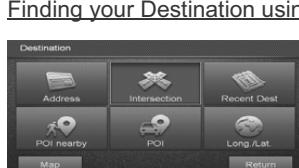


fig. 107

6. Enter the House Number and press OK or if you want to skip this process press OK only.



fig. 108

7. Select the road name.

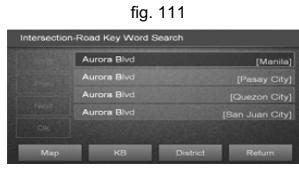


fig. 109

Select option:

- Go – Guides you to the destination.
- Add Waypoint .
- Browse – Browses routing to destination.
- Set as Home
- Set as Favorite

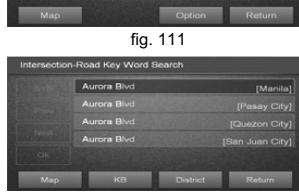
Finding your Destination using Intersection



1. Select **Intersection**.



2. Enter 1st Road name.



3. Select from the list the road and the city you desired to go.



fig. 113



fig. 114

Finding your Destination using Recent Destination



fig. 115



fig. 116

- Then select the street or roads that crosses on this road.



fig. 117

Finding your Destination using POI nearby

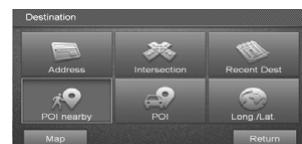


fig. 118

- Select option:
- Go – Guides you to the destination.
 - Add Waypoint .
 - Browse – Browses routing to destination.
 - Set as Home
 - Set as Favorite
 - Delete – Delete recent destination.

- Select **POI nearby**.



fig. 119

- Select POI category (POI nearby map, POI nearby dest, or POI nearby home.)



fig. 120

- Select the POI category. For more choices select next and previous or use the scroll bar. Example (Transportation)



fig. 121



fig. 122



fig. 123

- From the list select your preferred category.



fig. 124

- Enter the name of the place you want to visit based on your categories.



- Select **POI** (Point of Interest).



fig. 125

- Enter and search the name of the place or establishments you want to visit.



fig. 126

- From the list, select the name of the place containing the word you recently entered.



fig. 127

- Select option:
- Go – Guides you to the destination.
 - Add Waypoint .
 - Browse – Browses routing to destination.
 - Set as Home
 - Set as Favorite

- Select option:
- Go – Guides you to the destination.
 - Add Waypoint .
 - Browse – Browses routing to destination.
 - Set as Home
 - Set as Favorite

Using Longitude / Latitude



fig. 129



fig. 130

1. Select **Long. / Lat.**

Using the on-screen numerical keyboard, enter the numbers of the longitude in degrees, min, sec then latitude in degrees, min, sec respectively. Select Back tab to delete the last character entered. Select Switch tab to move to the next value to edit i.e. E. Long DEG to MIN and so on. Select Go tab if finished to proceed with destination.

Using Quick Menu



fig. 131

1. Select **Quick Menu.**



fig. 132

Using My Favorite



fig. 133

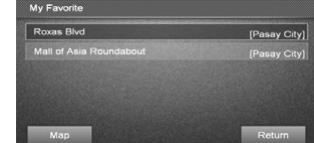


fig. 134

1. Select **My Favorite.**

2. Select your Favorite Destination from the list.

Select option:

- Go – Guides you to the destination.
- Add waypoint
- Browse – Browses routing to destination.
- Set as Home
- Edit – Edit recent destination.
- Delete - Delete recent destination.



fig. 135

35

Using Route Info (Browse as text)



fig. 136

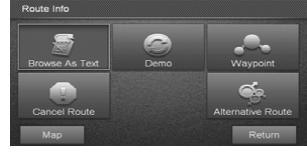


fig. 137

1. Select **Route Info.**

2. Select **Browse as Text.**

3. Select from the places you've recently passed through.

Select option:
 • Go – Guides you to the destination.
 • Add Waypoint .
 • Browse – Browses routing to destination.
 • Set as Home
 • Set as Favorite

fig. 139

1. Select **Demo.**

Using Route Info (Demo)



fig. 140



fig. 141

- The Demo functions shows actual routing with turn by turn voice instructions from the car position to destination. After the demonstration the system will go back to the map page automatically.

Using Route Info (Waypoint)

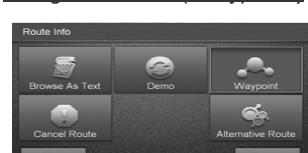


fig. 142

1. Select **Waypoint.**

36



fig. 143

- Select Go to proceed with the destination. Choose your preference route: Fastest route, Highway priority, Avoid Highway or Shortest route.

Using Route Info (Cancel Route)



fig. 144

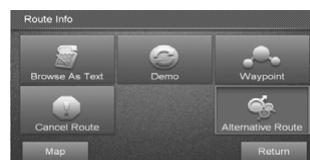
- Select **Cancel Route**.



fig. 145

- Select **OK** to cancel route or **Cancel** to return to previous page.

Using Route Info (Alternative Route)



- Select to set **Alternative route**.



- Choose the preferred route: Fastest route, Highway Priority, Avoid Highway or Shortest route.

fig. 147

Using Dealer



- Select **Dealer**.

fig. 148

37



fig. 149

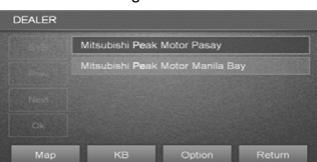


fig. 150

- Search the name of the Dealer you want to visit.

- Select the name of your Dealer.

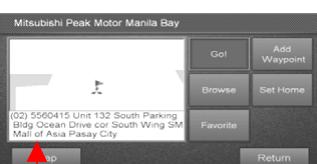
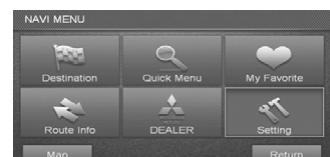


fig. 151

Shows the location and contact number of your Dealer.

- Select option:
- Go – Guides you to the destination.
 - Add Waypoint .
 - Browse – Browses routing to destination.
 - Set as Home .
 - Set as Favorite

Voice Setting



- Select **Setting**.

fig. 152



- Select **Voice** to set the language you want to use.

fig. 153

Volume Setting



- Select **Volume** to adjust the volume of your map. (Mute / - / +)

fig. 154

38

GPS Status

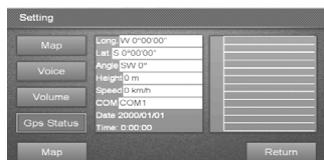


fig. 155

Track Up / North Up Setting

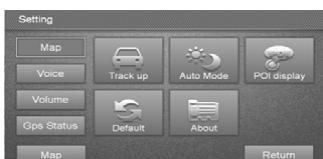


fig. 156



fig. 157

- Track Up setting - it follows your car position on your navigation system as it turns.

- Selecting GPS Status. It will display GPS Status Information.

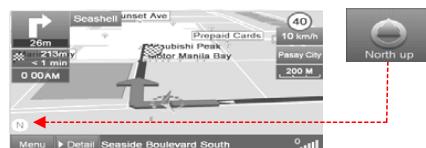


fig. 158

- North Up setting - Displays the North Up position only.

Auto / Day / Night Mode Setting



fig. 159

- Select to set map to Auto, Day or Night Mode.

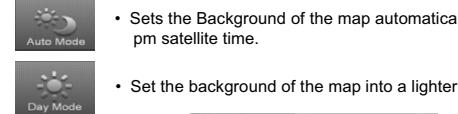
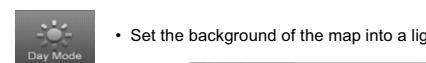


fig. 160

- Sets the Background of the map automatically from to 6 am to 6 pm satellite time.



- Set the background of the map into a lighter shade.



- Set the background of the map into a Darker shade.



fig. 161

POI Display Setting



fig. 162

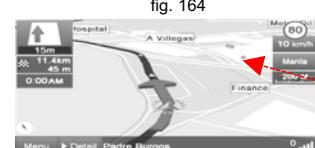
1. Select POI Display to set the display icon on the map On / Off.



3. Check - Enables Hotel / Resort icon display on the map.
Uncheck - Disables Hotel / Resort icon display on the map.

fig. 164

CHECK – you will see the Hotel / Resort icon display on the map.



2. Select POI display category . For Example (Hotel /Resort)

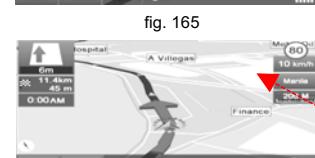


fig. 165

UNCHECK – you will not see the Hotel / Resort icon display on the map.



Default setting



1. Select Default on the setting menu.

fig. 167



fig. 168

About



fig. 169

- 2. Select Ok to restore system settings or Cancel to exit and return to previous page.



fig. 172



fig. 173

Using Detail



fig. 174

- Select **Detail** on the menu bar.

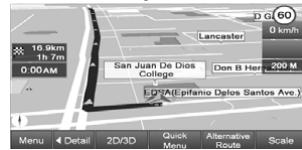


fig. 175

- On the menu bar additional functions are shown (2D/3D, Quick Menu, Alternative route and Scale).

2D / 3D View

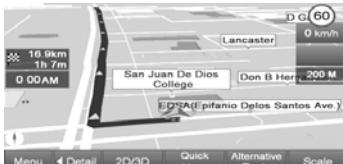


fig. 176

- Select to set the map into 2D or 3D view.



fig. 177
2D VIEW

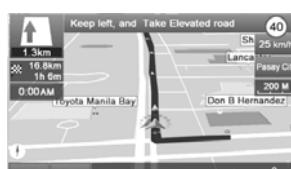


fig. 178
3D VIEW

Scale

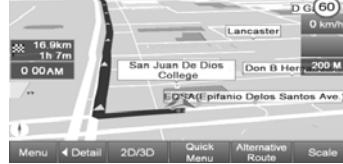


fig. 179

- Select to set the map scale.

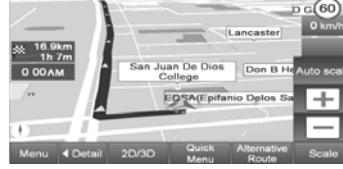


Table 15.

	2D	3D
Auto Scale	✗	✓
Manual Scale	✓	✓

Quick Menu – turn to page 5.

Alternative Route – turn to page 10.