

NAVIGATION  
USER'S MANUAL



7" NAVIGATION

**USER'S MANUAL**



# 1. INTRODUCTION

## FCC RF INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules, These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technical for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment,

## Precautions and Instructions

- \*This navigator is not waterproof.
- \*Do not operate the control of the navigator while driving.
- \*Do not leave it exposed to direct sunlight for an extended period of time.
- \*Take care when mounting this unit in your vehicle, whether using the windshield mount, other mount or accessory that it does not obstruct the driver's view of road, interfere with the operation of the vehicle's safety devices such as air bags, present a hazard to occupants of the vehicle should the unit be dislodged while driving. You assume the risks associated with damage to your vehicle or vehicle occupants as the result of your choices in mounting the unit.
- Do not install where it might obstruct driver's view of the road.
- Do not place on the dashboard without fixing it properly.
- Do not fit on the airbag front panel.
- Do not fit within the airbag deployment zone.



# 1. INTRODUCTION

\*Laws in some where prohibit wearing stereo headphone while operating a motor vehicle. Please contact with your country or state's Department of Motor Vehicle for information or any other related this law.

## About GPS

- \*The route calculated by the navigator is only intended by the government of your country, which has sole responsibility for its functioning. Any modification to the GPS may therefore affect the functioning of navigator.
- \*The signals from GPS satellites are attenuated when they pass through solid materials; consequently, the navigator will not function correctly inside of tunnels, underground, building or in vehicles with screened window.
- \*The navigator must receive the signal from GPS satellites in order to determine its position. Signal reception may be affected by specific situations like the presence of physical obstacles (e.g. trees or very high buildings) or bad weather.
- \*Devices operating at radio frequencies may interfere with reception of signal from GPS satellites or cause unstable reception.

## Maintenance

To get optimum performance from your Navigator and reduce the risk of damage and malfunction, we recommend you follow below advice,

- \*Remember that this unit is not waterproof.
- \*Do not expose the navigator to humidity or high temperatures.
- \*Avoid exposing the navigator to direct sunlight for long periods.
- \*Look after the screen carefully. Avoid dropping the navigator allowing the screen to come into contact with objects which might damage it.
- \*Do not subject the navigator to strong vibrations.
- \*Do not expose the navigator to sudden changes in temperature.
- \*To make clean the screen, you must first turn the navigator off and use a soft, slightly dampened cloth.
- \*Do not try to open, dismantle or repair the navigator. Any modification to the navigator will nullify the guarantee and may cause injury or damage, directly or indirectly, to persons or things.

## 2. BEFORE USING

### Unpacking the mobile navigation

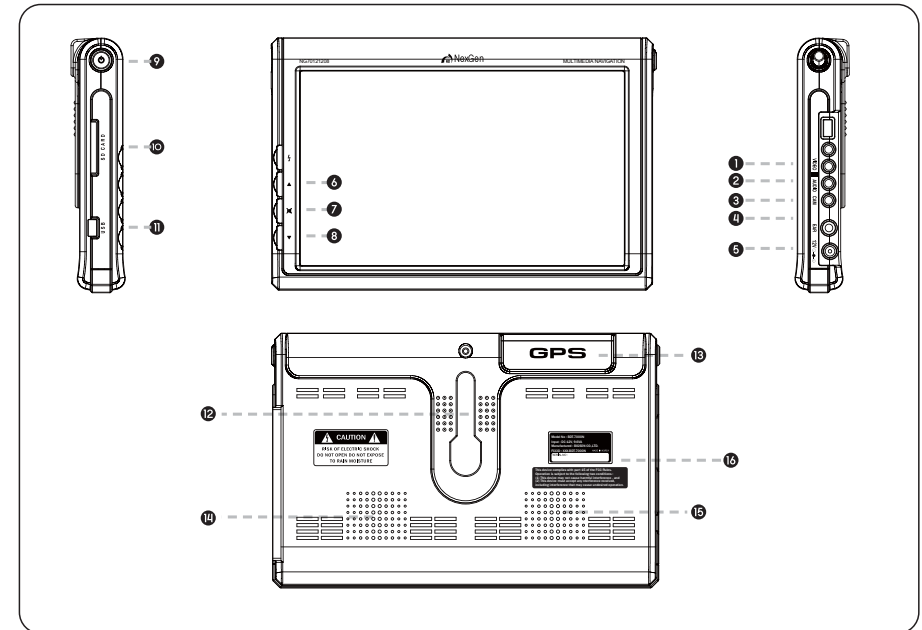
Before setting up the navigation, check that the items listed below are included and in good condition. If any item does not accord with the below picture, please contact your dealer immediately.



- 1) Navigation      2) Ciga Jack      3) Rear Cam Cable      4) Bracket  
5) SD reader      6) User manual

## 2. BEFORE USING

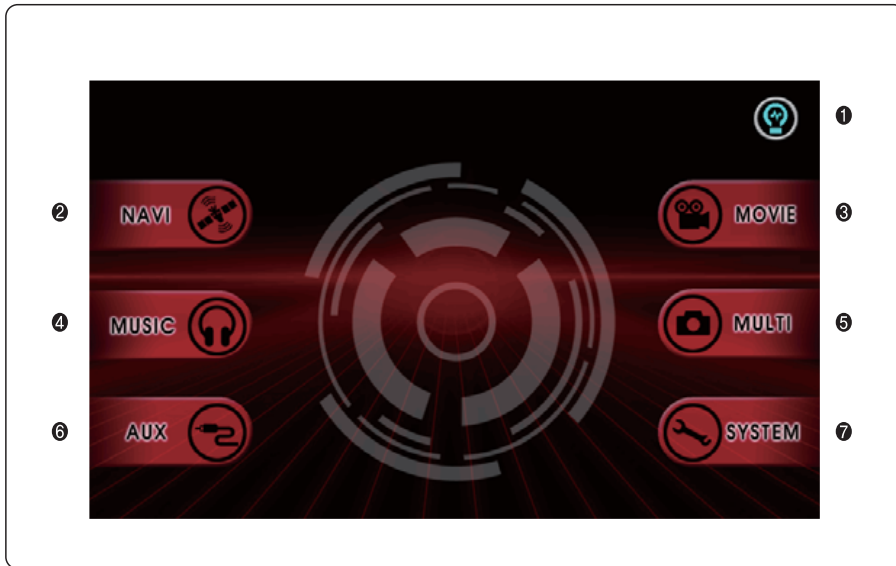
### Each keypad on the Navigation



- 1) External Video Input      2) External Audio Input(L/R)      3) Rear view Camera Input  
4) Audio Output      5) DC +12V Input      6) VOL +  
7) Audio Mute      8) VOL -      9) Power Button  
10) SD Memory Slot      11) USB Port (HOST)      12) Mounting Bracket  
13) GPS Antenna      14) Speaker L      15) Speaker R  
16) Spec Label

- ※ Power button  
- Press power button for 3 seconds to turn off  
- Press power button for less than 1 second to return to Main Menu at Navi mode (But Navigation is still operating.)

### 3. MAIN MENU



- ① Screen On/Off
- ② Enter Map mode
- ③ Enter Movie player
- ④ Enter MUSIC player
- ⑤ Enter Multimedia
- ⑥ Enter Aux mode
- ⑦ Enter System mode

### 4. MOVIE PLAYER

#### How to play MOVIE Files



How to play movie file

You can watch movie.

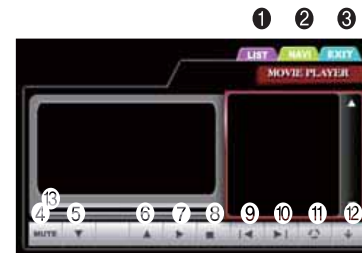
- 1 Please make a Movie folder in the SD card
- 2 Please store the desired Movie file in Movie folder.

\* Both movie file and music file do not operate at the same time.

(When the music is playing, movie file is not playing)

\* Acceptable file format: AVI. (The other file is not acceptable.)

#### Explanation of Movie Player functions



1. LIST: Select the desired movie file to play.

You can see all movie files in the list

2. NAVI: Return to Map mode
3. EXI: Return to previous mode after stopping Movie.
4. MUTE: Turn on/ off sound
5. VOLUME DOWN
6. VOLUME UP

7. PLAY/PAUSE

8. STOP

9. PREV: Return to the previous movie/ the beginning of a movie

10. NEXT: Go to the next movie

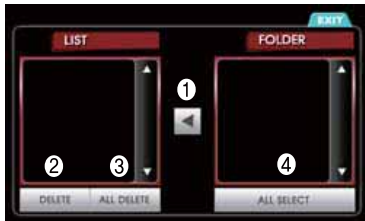
11. Repeat: whole movie/ the Selected movie/ Normal

12. PLAYING ORDER; Orderly/ Random

13. PLAYING BAR: Display the status of playback.

## 4. MOVIE PLAYER

### LIST MODE



Touch Exit to return to Main Menu

- 1 Touch “◀” to transfer the selected file in the folder to in the list
- 2 **DELETE** You can delete the selected file
- 3 **ALL DELETE** You can delete all selected files in the list
- 4 **ALL SELECT** You can select all files in the folder

## 5. MUSIC PLAYER

### How to play MUSIC Files

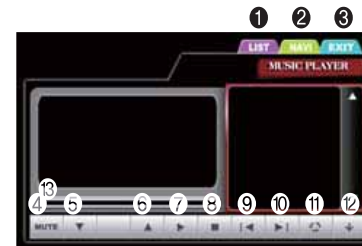


You can listen to music at MUSIC Mode through SD card.

- 1 Please make a Music folder in the SD card
- 2 Please store the desired music file in Music folder.

- \* Both movie file and music file do not operate at the same time. (When the music is playing, movie file is not playing)
  - \* Acceptable file format: MP3 , OGG. (The other file is not acceptable.)
- The music file might malfunction when it is not compatible with bit rate

### Explanation of MUSIC functions



1. LIST: Select the desired music file to play.  
You can see the all music files in the list
2. NAVI: Return to Map mode.
3. EXI: Return to previous mode after stopping playing music.
4. MUTE: Turn on/ off sound
5. VOLUME DOWN

6. VOLUME UP
7. PLAY/PAUSE
8. STOP
9. PREV: Return to the previous music/ the beginning of a music
10. NEXT: Go to the next music
11. Repeat: whole music/ the Selected music / Normal
12. PLAYING ORDER; Orderly/ Random
13. PLAYING BAR: Display the status of playback.

## 6. MULTI MEDIA

### How to go to SubOMenu at Multi Mode



Please touch "MULTI" to go to Sub Menu.

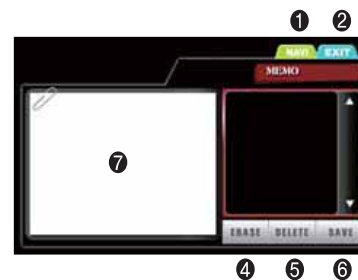
### Explanations of Sub Menu Icon at Multi Mode



1. EXIT: Touch "Exit" to return to the previous menu after stopping the current mode.
2. MEMO: Touch "MEMO" to go to Memo mode.
3. E-BOOK: Touch "E-BOOK" to go to E-Book mode.
4. IMAGE VIEW: Touch "IMAGE VIEW" to go to Image view mode.

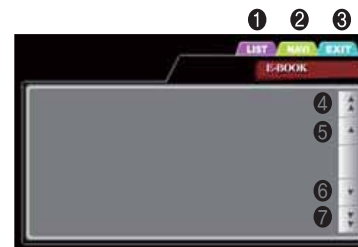
## 6. MULTI MEDIA

### Memo Mode



1. NAVI: To start Map mode
2. EXIT: To return to the previous mode
3. LIST: You can see the stored Memo
4. ERASE
5. DELETE
6. SAVE: To save data
7. Memo: A memo pad

### How to use E-BOOK

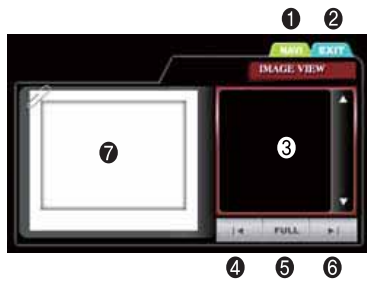


1. LIST: To see the text file in the list
2. NAVI: To go to Map mode
3. EXIT: To return to the previous mode after stopping E-BOOK
4. Go to the previous page
5. One line up
6. One line down
7. Go to the next page
8. You can see the text file.

\* Acceptable file format: Only Text file.

## 6. MULTI MEDIA

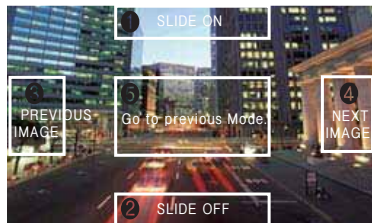
### How to use IMAGE VIEW



1. NAVI : To go to Map mode
2. EXIT : To return to the previous mode after stopping IMAGE VIEW
3. You can see the image file
4. To see the previous image
5. To enlarge fully the image.
6. To see the next image
7. Image display window

\*Acceptable file format: JPG, BMP, PNG, GIF

### Smart touch functions for image view



1. SLIDE ON: Automatically move to next image.
2. SLIDE OFF: Stop slide function
3. PREVIOUS IMAGE: To see the previous image
4. NEXT IMAGE: To see the next image
5. Go to previous mode.

## 7. AUX

### AUX Mode



Touch Aux to use external input.

### Smart touch functions for AUX



- 1 Exit: Touch " 1" to return to the previous mode after stopping Aux mode
- 2 Touch " 2" to display "Exit" the top of right corner.
- 3 Volume Down
- 4 Volume Up

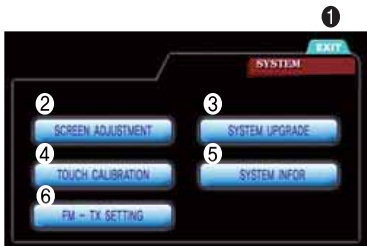
## 8. SYSTEM

### SYSTEM



You can see the screen adjustment, system upgrade, touch calibration, system information, FM-TX setting in System mode.

### SYSTEM



1. EXIT: To return to the previous mode after stopping System mode
2. SCREEN ADJUSTMENT: To adjust "Bright", "Contrast", "Hue", "Dimmer".
3. SYSTEM UPGRADE: To upgrade a system
4. SYSTEM INFORMATION: You can see the unit version No.
5. FM-TX SETTING: To adjust FM-TX frequency

### SCREEN ADJUSTMENT



1. EXIT: To return to the previous mode after stopping screen adjustment.
2. BRIGHT: To adjust bright level from 0 to 20
3. CONTRAST: To adjust contrast level from 0 to 20
4. HUE: To adjust Hue level from 0 to 20
5. DIMMER: To adjust LCD Backlight bright level from 1 to 10 or select Auto Dimmer.

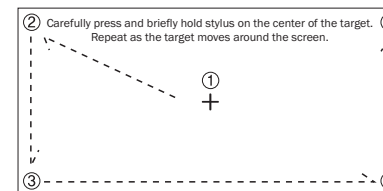
## 8. SYSTEM

### SYSTEM UPGARDE



1. EXIT: To return to the previous mode after stopping system upgrade.
2. Select Yes or No to upgrade system.  
Never power off the unit while system is upgrading, which can make malfunction

### TOUCH CALIBRATION



Touch + in the middle screen using Stylish pen or finger. Follow the moving + by touching Please touch the middle of screen to save it.

New calibration settings have been measured.  
Tap the screen to register saved data wait for 30 seconds  
to cancel saved data and keep the current setting



## 8. SYSTEM

### SYSTEM INFORMATION



1. EXIT: To return to the previous mode after stopping system information.
2. You can see the program version and the data related products.

### FM-TX



1. EXIT: To return to the previous mode after stopping system upgrade.
2. ON/OFF: To On/ Off FM-TX
3. FM-TX: To adjust 90.0MHz ~ 91.9MHz.

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
0	90.0 MHz	1	90.1 MHz	2	90.2 MHz
3	90.3 MHz	4	90.4 MHz	5	90.5 MHz
6	90.6 MHz	7	90.7 MHz	8	90.8 MHz
9	90.9 MHz	10	91.0 MHz	11	91.1 MHz
12	91.2 MHz	13	91.3 MHz	14	91.4 MHz
15	91.5 MHz	16	91.6 MHz	17	91.7 MHz
18	91.8 MHz	19	91.9 MHz		

## 9. SPECIFICATION

H/W Spec	CPU : Stm8815 500MHz & 4 DSP Chip
	GPS Active Antenna built in
	ROM : 32 Mbyte NAND FLASH
S/W Spec	RMA : 128Mbyte DDR SDRAM
	OS : Window CE 5.0 Core
Video	7 inch TFT LCD
	Map resolution : 800 x 480
Audio	2W Stereo Speaker (2W x 2) / Stereo Headphone out / FM transmitter Out (Stereo)
Function control	By touch
Video Input	2 Video input (1 video and Rearview camera)
Audio Input	1 Stereo input
Button	Power ON/OFF , Vol+ / - , Mute
Power Input	DC 12V
Consumption Current	Max 9.6W (12V)
Frequency	90MHz ~91.9MHz (20 channels)
Operating Temperature	-20℃ ~ +70℃
Operating Humidity	20% ~ 95%
Storage Temperature	-30℃ ~ +80℃
Dimension	180(mm) x 110(mm) x 20 (mm)
Weight	580g

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 nterference received, including interference that may cause undesired operation.

## 10. TROUBLE SHOOTING

	Problem	Solution	
Display	No power	Check the power cable connection.	
	Screen on but no sound	Check the audio mute.	
	Sound only without picture	Please touch its screen once or screen mute button.	
	Soucreeen dark	It is caused by low temperature.	Please turn onthe unit and wait until warp up, it can restore normal brightness.
		The unit is on but screen is blank	Pull out the cigarette Jack and plug in the jack to be unit rebooted.
		When the system responds very slowly.	
	The screen stops responding.		
	The selection of buttons and arrears of the screen is not precise.	Re - calibrate the screen. Select the calibration function in the setup menu	
GPS	GPS reception is poor or insufficient.	Check that the navigator is correctly located to receive signals from GPS satellites. GPS satellite signal reception may deteriorate when there are bad weather, physical obstructions, screened window and other radio frequency devices nearby.	

## 11. MEMO

### FCC Warning

**NOTE:**

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