



**Model: G2223**

## **User Manual**

Please read this manual before using  
and save this manual for future reference

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## GPS SPECIFICATION

	Specification	
Operation	Sirf Atlas WinCE 6.0 CORE	
CPU	Sirf At550 500MHz	
SDRAM	128MB	
FLASH	128MB	
Map Information Storage	SD card	
Antenna	MUTISUMI	
AV Connector	Y/C	
GPS Model	Channels	64
	Sensitivity (Tracking)	-161dBm
	Cold start	38 sec
	Warm start	<32 sec
	Hot start	<1 sec
	Reacquisition	0.1sec typical
	Position accuracy	≤25m CEP.
	Maximum altitude	18000 m
	Maximum velocity	515 m/s

### **Read before using**

#### **1.About Map Information**

The GPS uses the newest electronic navigation map. However, due to the development of traffic system, after the unit is sold, there may be slightly different with reality. Drive according to the current situation and the traffic regulation.

#### **2.Navigation**

This GPS unit provides the navigated path for reference. Please decide to follow the path or not. Driver who is familiar with the map may select the path better than the one GPS selected.





#### **3.About the receipt**

The factors such as tall and intensive buildings (e.g.: in tunnel, underground car park, under flyover), changing of the climates and satellite signals close, may cause the receipt of the GPS signals. The result may be unable to positioning, inaccurate positioning, navigation operation failure and worse operation, etc.

## NOTICE FOR GPS

- When the car is stopped, DO NOT place the unit under the wind screen or sunlight to avoid the battery being over heat and causing malfunction or danger.
- Global Positioning System is built and operated by the Department of Defense (US). The accuracy and maintenance is fully in charged by the department. The changes from the department can affect the accuracy and performance of the GPS unit.
- Please use this GPS unit carefully. The function of this unit is to provide navigation reference. DO NOT use this unit for accurate measurement such as direction, distance, location and landform, etc.
- Please stay in the same place when the first usage of this unit. Spacious place is better and no barrier on the top. The time for the positioning may need more than 10 minutes, depending on the current situation and the satellite signals.
- For your safety, DO NOT operate the GPS while driving. To avoid accident, operate this GPS unit after the car is stopped.
- Other wireless signals (e.g.: from mobile phone and speed detector) may affect the receipt of satellite signals and causing unstable receipt.
- If there is heat insulation or prevent broken film, the satellite signals may be affected. It is recommended that the installment of car antenna can stabilize the receipt of the signals.
- Every region has its traffic regulation according to the traffic condition there. Please follow the traffic regulation.
- The advice for the path is only for reference, because the traffic regulation and the road status are set up by the related department. Please decide the most suitable path if there is different between the real road condition and the map.
- Please DO NOT place the unit that the view of driver would be blocked.
- Due to the various periods of the research and production, the software may be updated. If the version of the software you use is different from that in the manual, then the version you use is proper.
- Please keep the accessory such as CD, SD card, SD/MMC card reader. There is important information labeled on the poly bag of CD, such as the installment of the electronic map and the reboot code of free update.

## NOTICE FOR DISC USAGE

Type of disc	Label on the disc	Recorded material	Size of disc
DVD		Sound and moving pictures	12cm
VCD		Sound and moving pictures	12cm
Mp3		Sound only	12cm
MP4/DIVX	<b>MP4/DIVX</b>	Sound and moving pictures (AVI format)	12cm
CD		Sound only	12cm

1. Do not use the disc with irregular shape



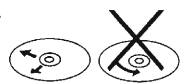
2. Disc can not be placed in the following place

- Under direct sunlight.
- Near the car heater,
- Dusty/wet place and on seat or instrument panel.



3. Clear the disc:

Wipe the disc toward outside by soft and dry cloth.



4. New disc:

the edge of the new disc may be too rough .The edge can be wiped by pencil.



## SPECIFICATIONS

### FM TUNER

Frequency range	USA: 87.5~107.9MHz EURO: 87.5~108.0MHz
Intermediate Frequency	10.7MHz
Signal/Noise Ratio	60dB
Stereo Separation@1KHz	40dB

### AM TUNER

Frequency Range	USA: 530~1710KHz EURO: 522~1620KHz
Intermediate Frequency	450KHz
Usable Sensitivity	33dB



### CD PLAYER

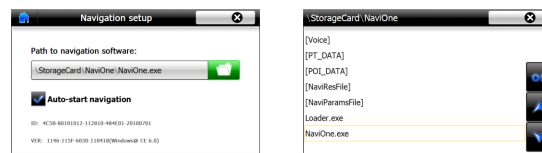
Signal/Noise Ratio	80dB
Frequency Response	20Hz~20KHz
Channel Separation	70dB

### AMPLIFIER

Total System Power	260WATTS
Power Output	4×65W
Load Impedence	4~8HMS
Lnstaii Size	163×180×101MM (L×W×H)

## GPS operation

In SETUP menu press Navigate Setup, then press  to choose source path. Press storage card then choose ScreenCapture, press ok. Press ScreenCapture.exe, then press ok. Press  to go back to main menu. In Console mode, press navigation to start.



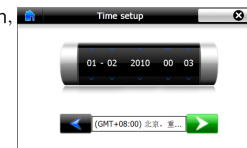
In Console mode, user could choose Navigation, Setup, Entertainment and Game.



In Setup mode, user could edit Navigate setup, usual setup, GPS Monitor, Touch Screen, Screen, Time, Skin, System






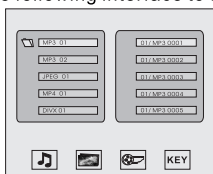
Notice: If you can not start the navigation, please enter Time to set the time zone and the time of the system.




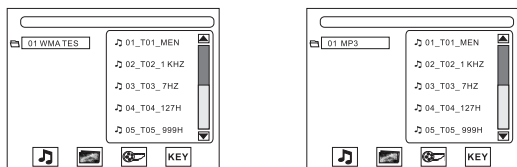
*\* based on actual operational settings map*


## SETUP

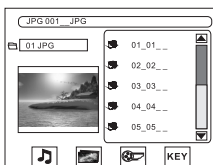
Press LEFT/RIGHT in the following interface to select the list of    KEY




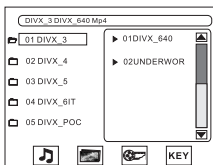
Select  and press ENTER to enter the list of the WMA/MP3 playback. Press PLAY to play the files continuously.



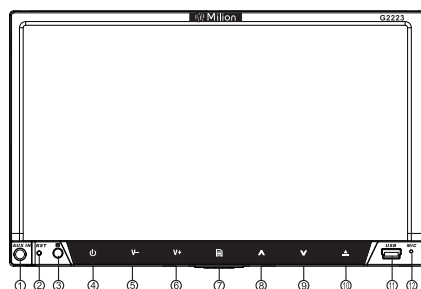
Select  and press ENTER to enter the list of the JPEG playback. Press PLAY to play the files continuously.



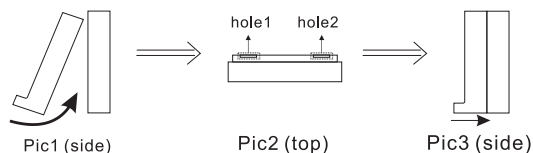
Select  and press ENTER to enter the list of the MP4 playback. Press PLAY to play the files continuously.



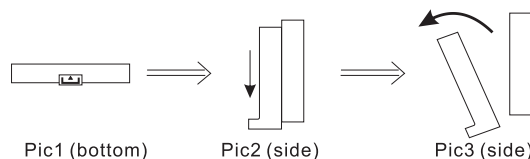
## PANEL DESCRIPTION




- |              |        |              |
|--------------|--------|--------------|
| ① AUX IN     | ⑤ VOL- | ⑨ DOWN       |
| ② RESET      | ⑥ VOL+ | ⑩ EJECT      |
| ③ IR         | ⑦ MENU | ⑪ USB        |
| ④ POWER/MODE | ⑧ UP   | ⑫ MICROPHONE |

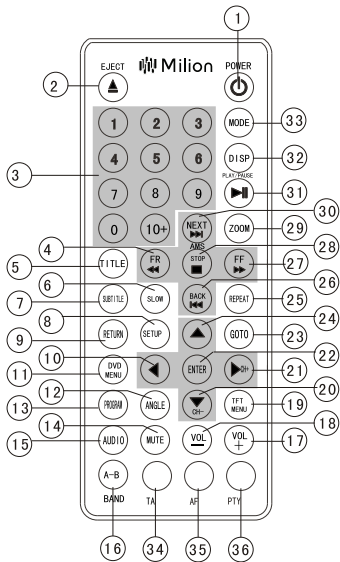


1. Along the direction of Pic1 (side) shown, match the front panel to the two holes of the unit, like Pic2 (top).
2. Holding the bottom of the front panel, then push forward to the unit, like Pic3 (side).



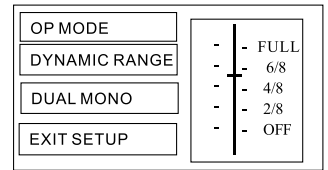
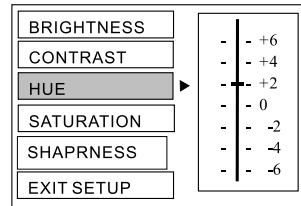
1. Press  button to eject the front panel as shown in Pic1 (bottom)
2. Pull the front panel downward as shown in Pic2 (side)
3. Along the direction Pic3 (side), take out the front panel.

## REMOTE CONTROL OPERATION

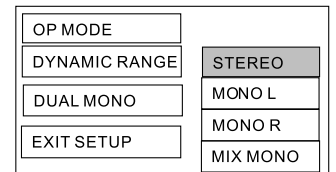
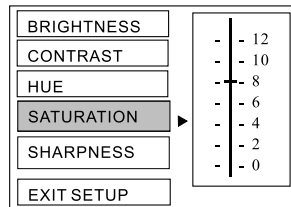


1. POWER ON/OFF
2. EJECT
3. NUMBER BUTTON
4. FAST BACKWARD
5. TITLE
6. SLOW
7. SUBTITLE
8. SETUP
9. RETURN
10. LEFT
11. DVD MENU
12. ANGLE
13. PROGRAM
14. MUTE
15. AUDIO
16. A-B/BAND
17. VOL+
18. VOL-
19. TFT MENU
20. DOWN (in DVD mode) / CH-
21. RIGHT (in DVD mode) / CH+
22. ENTER
23. GOTO
24. UP (in DVD mode)
25. REPEAT
26. PREVIOUS CHAPTER
27. FAST FORWARD
28. STOP
29. ZOOM
30. NEXT CHAPTER
31. PLAY/PAUSE
32. DISP
33. MODE
- 34.- TA
- 35.- AF
- 36.- PTY

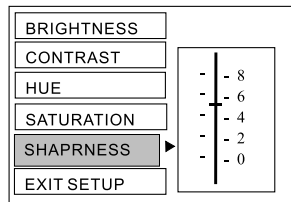
## SETUP



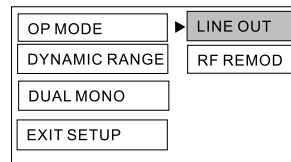
DYNAMIC



DUAL MONO



5. DIGITAL SETUP: SET OP MODE, DYNAMIC, DUAL MONO.(see the picture)



OP MODE

## SETUP

OSD	CHINESE
AUDIO LANG	ENGLISH
SUBTITLE	JAPAN
MENU LANG	FRENCH
DIVX (R) VOD	SPANISH
EXIT SETUP	PORTUGUES
	GERMAN
	OFF

OSD	CHINESE
AUDIO LANG	ENGLISH
SUBTITLE	JAPAN
MENU LANG	FRENCH
DIVX (R) VOD	SPANISH
EXIT SETUP	PORTUGUES
	GERMAN
	LATIN

OSD	
AUDIO LANG	
SUBTITLE	
MENU LANG	
DIVX (R) VOD	RIGISTER CODE
EXIT SETUP	MRKWFQYQ

### 3. AUDIO SETUP: SET AUDIO output format, Key (see the picture)

AUDIO OUT	SPDIF/OF
KEY	SPDIF/RA
	SPDIF/PC
EXIT SETUP	

AUDIO OUT	#
KEY	- - +4
	- - +2
	- - 0
	- - -2
	- - -4
EXIT SETUP	b

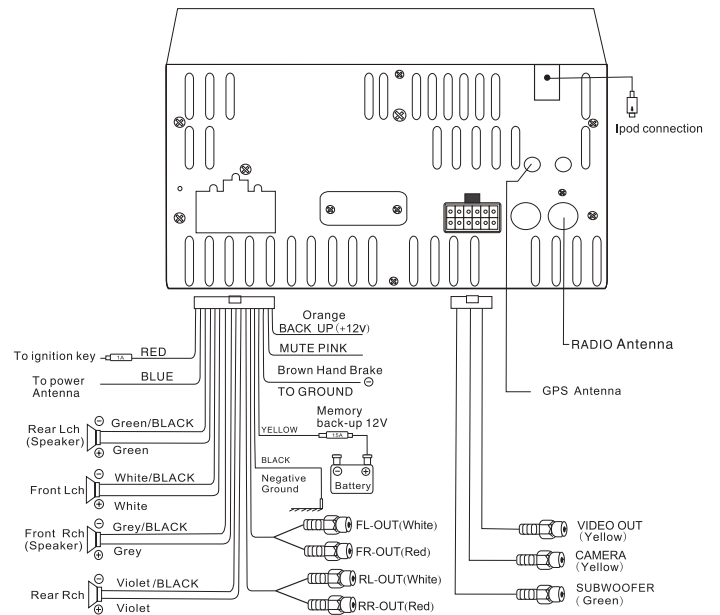
### 4. VIDEO SETUP: SET BRIGHTNESS, CONTRAST, HUE, SATURATION and SHAPRNESS. (see the picture)

BRIGHTNESS	- - 12
CONTRAST	- - 10
HUE	- - 8
SATURATION	- - 6
SHARPNESS	- - 4
	- - 2
	- - 0
EXIT SETUP	

BRIGHTNESS	- - 12
CONTRAST	- - 10
HUE	- - 8
SATURATION	- - 6
SHARPNESS	- - 4
	- - 2
	- - 0
EXIT SETUP	

## WIRING DIAGRAM

### Wiring Diagram



## MENU SETUP

In MENU, it contains PICTURE, AUDIO PRESET. Only PRESET appears in TV mode.  
On the front panel, press MENU to enter TV menu setup. Or press the X symbol on the right upper corner on the touch screen. Press UP/DOWN to select the item and +/- to adjust the parameter.

### 1.MAIN MENU SETTING

Under any mode(except GPS)touch the center of the TFT screen the main Menu will appear as follows



### 2.PICTURE

It contains the setting of BRIGHT-INE ,COLOR, CONTRAST



### 3.AUDIO

It contains the setting of BASS, TREBLE, BALANCE, FADER LOCD ON/OFF and EQ for multimedia playback.

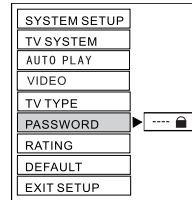


### 4. SYSTEM SETUP

BEEP ON/OFF  
Touch screen calibration  
TIME 12/24 Frequency range selection  
Time settings

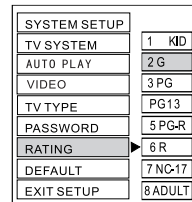


## SETUP



### PASSWORD

Select the change and press ENTER button.  
Type the old password (The initial factory code is **0000**) and key in 4 characters password now you want to use, and type again to confirm key in correctly.

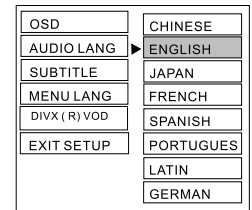
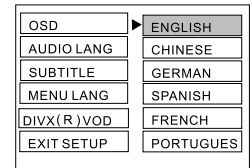


### RATING

Select suitable guidance rating by the cursor button and confirmed by pressing ENTER button.  
Rating 1: [ Kid Safe ]  
Select following when the programs are safe to all kids view.  
Rating 2: [ G ]  
Select following that allows admission to person of all ages.  
Rating 3: [ PG ]Select following that needs to parents guide their children.  
Rating 4: [ PG\_13 ]

Select following when children under 13 are forbidden to view.  
Rating 5: [ PG\_R ]  
Select following when the "PG\_R" was printed on the DVD disc.  
Rating 6: [ R ]  
Select following when children under 17 must be guide to view by their parents.  
Rating 7: [NC-17]  
Select following when children under 17 are forbidden to view  
Rating 8: [Adult]  
Select following, which only allows admission to all adults.

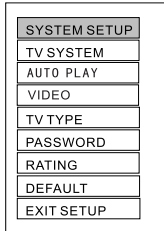
2. Language SETUP: SET the preferred OSD language, Audio language, Subtitle language and Menu language, DIVX(R) VOD.(see the picture)



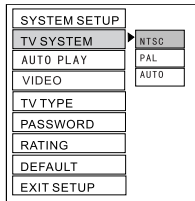


## SETUP

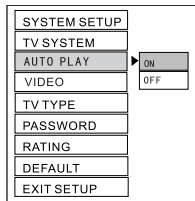
In playing mode, press 22 (SETUP) key, menu will be shown on screen. (see the picture). Select the preferred item by using the key



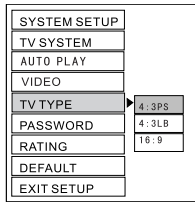
After selecting your desired content, press ENTER button to confirm. For example: 1.SYSTEM SETUP: TV system,AUTO PLAY, TV type, Password, Rating & Default features. (see the picture)



TV SYSTEM



AUTO PLAY



TV TYPE

**1) 4:3 PS**

Played back in the PAN & SCAN style. (If connected to wide-screen TV, the left and right edges are cut off.)

**2) 4:3 LB**

Played back in LETTERBOX style. (If connected to wide-screen TV, black bands appear at top and bottom of the screen.)

**3) 16:9**

Select when a wide-screen TV set is connected.

## RADIO MENU SETUP

Touch the Radio icon in the main menu to enter the radio mode



A(RDS)



B

In the FM menu of RADIO mode, press BAND to change the radio band in the order of FM1->FM2->FM3->MW1->MW2.

Press AMS once to search automatically each 5 seconds; press and hold to search automatically.

AF: Press and hold the AF button on the panel. (Inform the vehicle which region is going. It can also receive the PROGRAM.)

TA: Press and hold the TA button on the panel. (ON/OFF signal of Traffic Announcement release)

PTY: Press and hold the PTY button on the panel. (It displays 31 kinds of PROGRAM, and select/preset the station automatically)

1→2→3→4→5→6 is in order of:



Press ◀◀ and hold to search manually for decreasing frequency. Press once to search step-wisely for decreasing frequency.

Press ▶▶ and hold to search manually for increasing frequency. Press once to search step-wisely for increasing frequency.

## DVD operation

On the touch screen, touch the upper right corner to return to the main menu, enter the main menu, point to enter the menu top left "set" set.

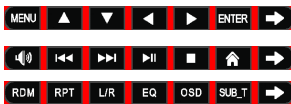
If you need to adjust the sound, as follows:

Bluetooth and the Bluetooth radio and music player mode have a corresponding reduction of the volume increase and volume keys and mute button.

In DVD / USB / SD / I Pod mode, the touch screen will appear after the middle of the volume control icon, and then left by the volume, plus the right point of the volume, mute the middle point.

Reading MP3 songs, point the lower right corner "key" button, then point the middle of the screen will also appear the volume control icon.

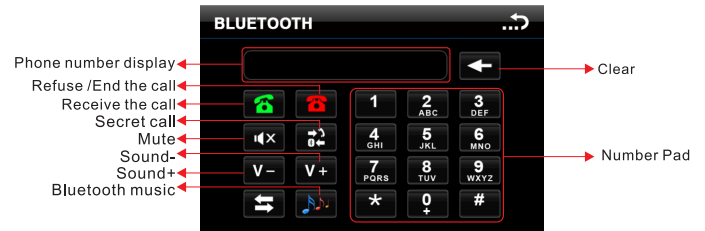
In the DVD / USD / SD / I Pod mode, the screen below will point out the following key operation, then the corresponding key to achieve the corresponding functions.



## The process of connecting Bluetooth

1. Turn on the Bluetooth of the mobile phone and search the Bluetooth device. Connect the device and mobile phone. The connecting password is "8888"

Press the Bluetooth symbol on the touch screen to enter the Bluetooth interface. Input the phone number by the number pad and press to dial the call; press to refuse/end the call. Press to clear the phone number. Press to go back to the multimedia playback.



## Bluetooth music

