NavRoad

NR430BT
User's manual

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**Chapter 1
Safety Information**

1.1 Caution...

Before starting installing or operating your navigation system, Please be familiar with this Manual Completely for your safety. Your unsuitable installation or operation of this device may cause injury or death.

Safety Precautions

1. Use the car charger included with the package, using power adapters other than the one provided will result in malfunction and could prove dangerous.

2. Do not use the car charger in a wet environment. When hands and feet are wet, do not touch the car charger.

4. While using the car charger ensure that the area is well ventilated. Do not let paper or other material cover the power adaptor, as this will interfere with cooling. Do not use the power adaptor whilst it is in a bag.

5. Do not attempt to repair the device. If device is damaged or is in a wet environment, replace the device immediately.

6. About the battery

- Use only the original factory approved charger.
- A Lithium battery is built in to the device. To prevent fire or skin burns, do not disassemble, pierce, impact, or expose the battery to fire. The battery will crack, explode, or release dangerous chemicals if placed in a fire.

7. Important instructions

- Note : Replacing with an incorrect battery may result in an explosion.
When disposing of the battery, follow the instructions. The replacement battery must be original factory approved.
- Regulations must be observed when recycling or disposing of batteries.
- The battery should only be used in this device.

1.2 Normal Care

The NavRoad NR430BT is constructed of high quality materials and does not require user maintenance other than cleaning.

Cleaning the Unit

Clean the unit's outer casing using a cloth dampened with a mild detergent solution and the wipe dry. Avoid chemical cleaners and solvents that can damage plastic components.

Caring for the Touch Screen

The touch screen is intended to be operated with a finger. Never use a hard or sharp object to operate the touch screen or damage may result. Though a PDA stylus can also be used to operate the touch screen, never attempt this while operating a vehicle.

Clean the touch screen using a soft, clean, lint-free cloth. Use water, isopropyl alcohol, or eyeglass cleaner if needed. Apply the liquid to the cloth and gently wipe the touch screen.

Protecting your NavRoad NR430BT

- Do not expose the unit to water or other forms of moisture; the NavRoad NR430BT is not waterproof.
- Do not store the unit where prolonged exposure to extreme temperatures can occur (such as in the trunk of a car), as permanent damage may result.
- To avoid theft, do not leave your NR430BT in plain sight when you leave your vehicle.
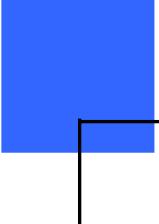
2.1 Package Contents

Please check the contents in the Box.

*)

Manual

SD card with navigation software
and maps

*depends on version

2.2 Installing to the Vehicle

Take care when mounting the NavRoad NR430BT in your vehicle, whether using the windshield mount or other mount, that it does not obstruct the driver's view of the road. Make sure that the placement of the NAVROAD NR430BT and cable does not interfere with the operation of vehicle safety devices, such as air bags. You assume the risks associated with damage to your vehicle or vehicle's occupants as a result of how you choose to mount the NavRoad NR430BT.

1. Attach the windshield mount to the back of the docking cradle.
2. Press the windshield mount to the glass and slide the locking lever toward the glass.
3. Insert the NavRoad NR430BT onto the docking cradle.
4. Plug the power cable into rear dc input of the docking cradle as shown.

5. Plug the car charger into your vehicles cigarette lighter or 12 volt receptacle.
6. Installation is complete, and you are ready to turn the NavRoad NR430BT on and go.
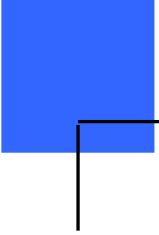
Chapter 3
Basic Operations

3.1   Getting Start

Performing the initial Start Up

Slide the Battery ON/OFF switch the ON position.

Note : Always leave the Battery ON/OFF Switch in the ON
Position for normal operation.
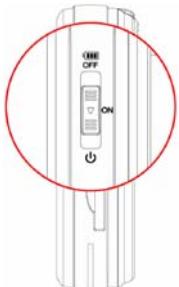
Power ON/OFF

Your device turns on when pull down the bar switch to Power.
Follow the instructions on the Installation Poster to dock your
NavRoad NR430BT in your car. The first time you turn on your
NavRoad NR430BT, it may take up to 10 seconds to start. To
power off your NavRoad NR430BT, pull down the bar switch.

Locating your current position

Your NavRoad NR430BT must be outside to locate your current
position. The first time you start your NavRoad, it can take up to
5 minutes to find your current position. If it takes longer than 5
minutes, make sure that you are in an open place without tall
buildings or trees around you.
In the future, your position will be found much faster, normally
within a few seconds.
Once your NavRoad has located your current position, the
Driving View is shown in full color and shows your position on
the map.

Note: Some vehicles have a heat reflective shield embedded in
the windshield that may prevent NavRoad NR430BT from
locating your current position. If this is a problem in your
vehicle, use the NavRoad NR430BT External Antenna Kit
(available as an accessory).

## Understanding Hardware Components

1. Main Unit
Front, Left and Top Side Components.
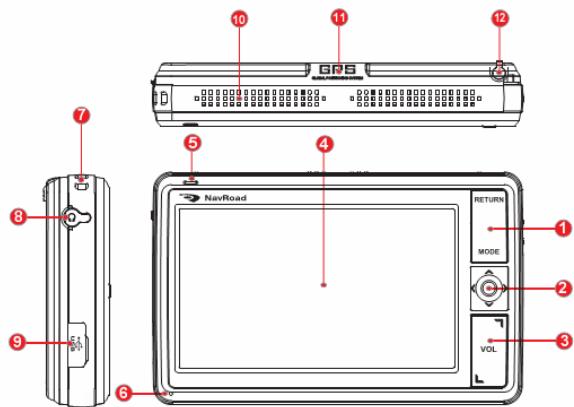
| Ref	Component	Description
1	Menu Button	Display each menu screen and return to the previous mode. For Hold function, please press Return key more than 2 seconds.
2	5 Way Joystick	This is 5 way joysticks for navigation and select menu.
3	Volume Control	Adjusts the volume level
4	Touch Screen	Tap the screen with your fingertip to select menu commands.
5	Charge Indicator	Glows in bright Red to indicate that the battery is charging, and turns green when the battery is fully charged
6	MIC	This is for receiving voice
7	Hand String Hole	Hand string attaches to this hole
8	Headphone Connector	Connects to stereo headphones
9	Mini-USB Connector	Connects to the USB cable for home charging or Sync.
10	Speaker	Sends out sounds and voice
11	GPS Antenna	Receives signals from the GPS satellites overhead.
12	Stylus Pen	Using this stylus pen for tap the screen and to select menu.

Rear, Right and Bottom, Side Components.
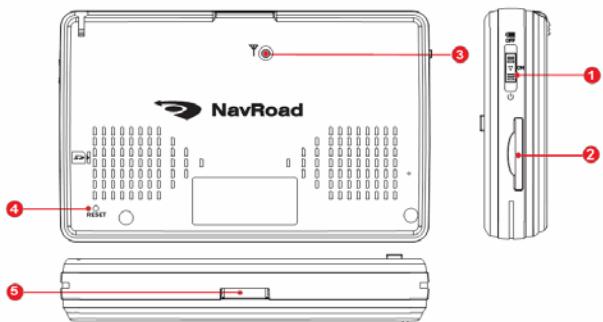
Ref	Component	Description
1	Power Button	Turns on and off the device.
2	SD Slot	Accepts a SD card for accessing date such as MP3 music.
3	External Antenna Connector	This Connector(under rubber dust cover) allows use of an optional external GPS antenna with magnetic mount, which may be positioned on top of the car for better GPS signal reception in areas with poor reception.
4	Reset Button	Restarts your device(soft reset)
5	Docking Port	This port should be connected with docking cradle.

2. Docking Cradle

Front, Rear and Inner Side Components.
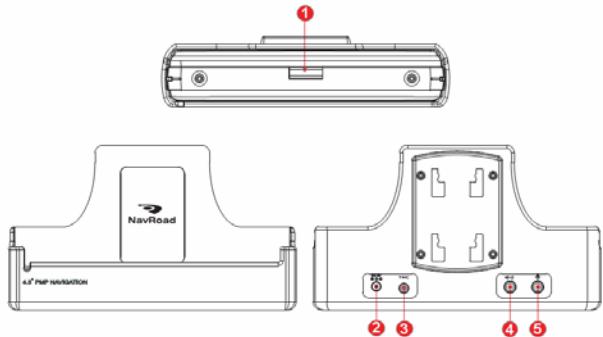
Ref	Component	Description
1	Docking Port	This port should be connected the NavRoad device
2	Push Button	This button is working for disconnect with NavRoad Device
3	DC Input	DC 5V input
4	TMC Connector	The TMC(Traffic Message Channel) module for receiving TMC information.
5	Audio out	External Sound output
6	External MIC Connector	External MIC input for better voice receiving in hand-free calling.

3.2 Main Screen

3.3 Phone

3.3.1 About Phone

Phone Menu allows you to use your device as a hands-free device for a mobile phone supporting Bluetooth connection. You can tap your device to place and receive phone calls instead of picking up the mobile phone.

3.3.2 Pairing with a Mobile Phone

1. Tap the **Phone** button on the main screen and the **Pair Mode** button. Bluetooth radio turns on.

2. If this is the first time you use the program, your device will switch to Pair Mode and wait for the pairing action from your mobile phone maximum for 4 minutes. The connection will be established as long as you initiate the pairing process.

3. If prompted to enter the pincode (or passkey) on your mobile phone, tap the passkey specified by the NavRoad NR430BT (dhe default is 1234) and tap **OK**.

4. You will see the **Phone** main screen after the pairing is completed. The status bar at the bottom shows the name of the mobile phone connected.

The next time you run the Phone program, your device will automatically search and pair with one of the last connected mobile phones.

NOTE:
• Your device must be in Pair Mode for the mobile phone to discover your device. If you need to manually set your device to Pair Mode, tap Pair Mode on the Phone main screen.
• Some mobile phones can automatically connect the hands-free service.
• Up to 5 sets of paired mobile phones can be stored. A 6th paired mobile phone will replace the oldest one.
• The Phone program cannot access the data such as the phone book and call history stored in a connected mobile phone.

3.3.3 Placing a Call

After pairing with your mobile phone, you can place a call using any of the four buttons (**Call**, **Call History**, and **Redial**) on the Phone main screen.

By tapping the **Call** button on the Phone main screen, you can enter the telephone number with the onscreen keypad. After

entering the telephone number, tap to place the call.

NOTE:
• To delete the last digit entered, tap the **Backspace** button.
• The other two buttons allow you to switch to Home and Call History screens

Call History

Tap the **Call History** button on the Phone main screen to display the recent incoming, outgoing, or missed calls together with information such as date, time, and duration of each call.

Tap the respective button (incoming, outgoing, or missed) to view the last 20 calls of the selected type.

With an item selected, you can tap to dial the number, to delete the item. To clear all items in the current list, tap .

Redial

Tap the **Redial** button on the **Phone** main screen to dial the last number you called or received.

3.3.4   Operations During a Call

During a call, four functions are available:

• If you need to input other numbers, such as an extension

number, tap to open the keypad and tap the digits. The keypad will close when you tap the button again or when there has been no input for 5 seconds.

• Tap to mute your sound so that the other party cannot hear you. To end the mute mode, tap the same button again.

• Tap to end the call.

• Tap to switch the call to your mobile phone. To switch back to your device, tap the same button again.

3.3.5 Receiving a Call

When you have a call after pairing with a mobile phone, the device rings and displays the Incoming Call screen.

To accept the call, tap .

To reject the call, tap .

To mute the ring tone before receiving or rejecting, tap

.

3.3.6 Connecting Devices

Connect

By tapping the **Connect** button on the **Phone** main screen, you can manually search the last paired mobile phones for an available connection.

> **NOTE**: To use the service of a remote device with Bluetooth capability, make sure that the remote device is in discoverable mode.

1. Tap **Connect** from **Phone** main screen to search for nearby devices.

2. The device list appears on the screen. Tap the target device from the list of the devices.

3. Tap the device you want to use as a Hands-Free or a Headset .

4. When prompted to enter the passkey in your mobile phone, Please, input the passkey requested by the NavRoad and tap **OK**.

Viewing Active Connections

After starting **Phone** menu, tap **Connect** to view the active connections. After you tap an item, you can tap to disconnect the selected device.

3.3.7 Pair Mode

By tapping the **Pair Mode** button on the **Phone** main screen, you can manually set your device to Pair Mode. Within the duration for 4 minutes, you can initiate the pairing process on your mobile phone to discover your device as a hands-free device or a Headset.

3.3.8 About Preference

Your device incorporates Bluetooth wireless communications technology. Devices with Bluetooth capabilities can exchange information over a distance of bout 10 meters (30 feet) without requiring a physical connection.
Preference allows you to configure and use the Bluetooth capabilities of your device.

Starting and Exiting Preference
1. Tap the **Phone** button on the Main Screen and then the **Preference** button.
2. When the Phone screen appears, tab Preference

3. The Preference screen appears as shown below.

To exit the program, tap . You will be back to the Phone screen.

Turning On/Off Bluetooth Radio

Whenever you start Preference, Bluetooth radio is turned on.

Exiting Preference doesn't turn off Bluetooth radio. To turn off Bluetooth radio, tap in the Preference screen.

Configuring Preference

After starting Preference, tap to configure Hands Free settings.

The available options are:

• **Home Number** : Allows you to edit the your home number.

• **Auto-Answer** : You can tell your NR430BT to answer every call automatically after a certain time.

• **Ring-Tone** : You can select one ring tone from 3 kinds of ring tone which like to hear

3.4 Music

## 3.4.1 Starting and Exiting Music Player

Music turns your device into a Music player. It features:

Playback of MP3 files

Basic Playback controls such as play, pause, stop, next and previous

Playback includes single selection playback, repeat, single repeat, normal sequence and random sequence.

Tap the **Music** button on the Main menu to start the program. The control panel appears on the screen where you can easily control the player by tapping the control buttons.

To exit the program, tap .

2. Tap the **Music** button on the Home screen to start the program.

3. The program will search for the MP3 files in your device and in the storage card. When MP3 files are detected, they will be showed to the play list.

4. To start the playback, tap **Select** button from the MP3 file list . To control the playback, use the control buttons as described later.

3.4.2 Preparing the MP3 Files for Your Device

Before using the program, have the MP3 files ready on a storage card.

3.4.3 Playing MP3 Files

1. If your files are in a storage card, insert the card into your device.

3.4.4 MP3 Playback Controls

Control Button	Name	Description
/	Play/Pause	Play or pause the playback.
	Stop	Stop the playback.
/	RWD/F.FWD	Play Rewind or Fast Forward
/	Previous/Next	Play the previous or next file.
/	Volume -/+	Increase or decrease the volume. The indicator on the panel shows the current volume level.

Control Button	Name	Description
	Exit	Close the program and return to the Home screen.
	Playback Mode	Cycle through the following modes: Repeated playback of the all files in the folder Single playback of the current folder Repeated playback of current file Repeated playback of all files in random order

3.5 Photos

3.5.1 Starting and Exiting Photos

Photos allows you to view pictures in JPEG, GIF and BMP formats and view the Tap the **Photos** button on the Main menu to start the program.

3.5.2   Preparing the Pictures for Your Device

Before using the program, have the JPEG/GIF/BMP files ready on a storage card.

3.5.3   Viewing Pictures in List View

1. If your files are in a storage card, insert the card into your device.

2. Tap the **Photos** button on the Main menu to start the program.

3. The program will search the matching files in the specific folder on a storage card. It then displays the pictures in the list view. You can press the **Up** or **Down** arrow button to go to next or previous page.

3.5.4   Viewing a Picture in Full Screen

When you tap [icon] or a picture once in the list view, the picture is displayed in full screen.

To go back to the list view, tap anywhere on the screen to display the Picture list view screen.

3.5.6   Viewing the Slideshow

To view the slideshow of all your pictures, use one of the following ways:

1.   When in the list view, tap [Slide] to start the slideshow.

2.   When in full screen, tap anywhere on the picture to return in the list view screen.

3.   Sets the length of time each slide is displayed before moving on to the next slide. Tap [icon 10] the button to switch to the next available option.

3.5.7   Rotating the picture

To rotate the picture, tap [icon] or [icon] in your favorites direction.

3.6 Movie
3.6.1 Starting and Exiting Movie Player

   Movie turns your device into a Movie player. It features:
   Playback of Movie files
   Basic Playback controls such as play, pause, stop, next and
   previous

Tap the **Movie** button on the Main menu to start the program.
The control panel appears on the screen where you can easily
control the player by tapping the control buttons.

To exit the program, tap   .

3.6.2 Preparing the Movie Files for Your Device

Before using the program, have the Movie files ready on a
storage card.

3.6.3 Playing Movie Files
   1. If your files are in a storage card, insert the card into
   your device.
   2. Tap the **Movie** button on the Main menu to start the
   program.
   3. The program will search for the Movie files in the storage
   card. When Movie files are detected, they will be added to
   the Movie list.

   4. To start the movie, tap **Select** button. To control the
   playback, use the control buttons as described later.

3.6.4 Playing a Movie in Full Screen

When you tap or Movie screen once in the Movie player view, the Movie is played in full screen.

To go back to the Movie screen, tap anywhere on the screen to display the Movie player list view screen.

3.6.5   Movie Playback Controls

Control Button	Name	Description
	Play/Pause	Play or pause the playback.
	Stop	Stop the playback.
	RWD/F.FWD	Play Rewind or Fast Forward
	Previous/Next	Play the previous or next file.
	Volume -/+	Increase or decrease the volume. The indicator on the panel shows the current volume level.
	Exit	Close the program and return to the Home screen.

3.7   Settings

3.7.1 Starting and Exiting Settings

You can customize the system settings such as backlight brightness, volume, and language. Once you change them again. Tap the **Settings** button on the Home screen. The Settings menu appears as shown

To exit Settings, tap .

The following sections describe the various buttons and their functions.

3.7.2 Information

1. Tap the **Settings** button on the Main menu.

2. Tap the **Information** button.

3.7.3 Start Settings

1. Tap the **Settings** button on the Main menu.

2. Tap the **Start Settings** button.

To select the application which will run when swithing on the device, tap **Start with Specific Application**. You can choose from standard applications by tapping their appropriate icon.

You can select other application on the device or SD card by

tapping
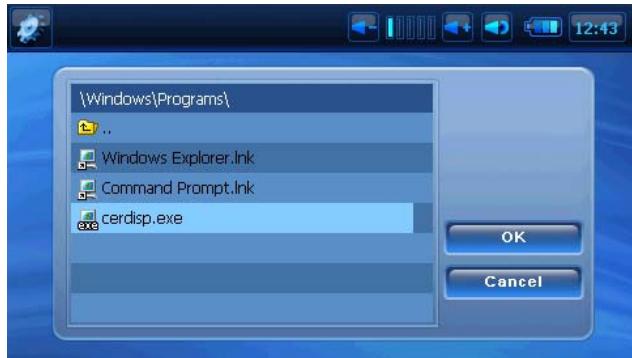
Then you can select the application from the list and tap OK to confirm.

3. Move the knob along the track bar to adjust the volume. To decrease the volume, move the knob to the left. To increase the volume, move the knob to the right.

3.7.4 Default Settings

1. Tap the **Settings** button on the Main menu.

2. Tap the **Default Settings** button.

3. You can set default to your device in this option and if you click 'Set Default', your device will be back to default. Please, take care of use this option.

3.7.5 Brightness

1. Tap the **Settings** button on the Main menu.

2. Tap the **Brightness** button.

3. Click + or - to adjust the brightness of the backlight. To darken the backlight, move the knob to the left. To lighten the backlight, move the knob to the right.

3.7.6 Change Language

NOTE: To change the language of the Map navigation software, use Map settings.

1. Tap the **Settings** button on the Main menu.

2. Tap the **Language** button.

3. Tap the Up/Down arrow button to select the desired language.

4. Tap OK the button for the new setting to take effect(Re-booting).

3.7.7   Energy

To check the remaining power level of your battery and/or set up the power saving feature:

1. Tap the **Settings** button on the Main menu.

2. Tap the **Energy** button.

3. The screen shows the remaining power of your battery.

You can set a timer to:

- automatically turn off your device when it is idle for a set period of time.

- automatically dim the LCD display when it is idle for a set period of time.

3.7.8   Touch Screen

You can calibrate the touch screen if it is not responding accurately to your taps.

1. Tap the **Settings** button on the Main menu.

2. Tap the **Calibration** button.

3. Tap to start the calibration.

4. Tap and hold the centre of the target.
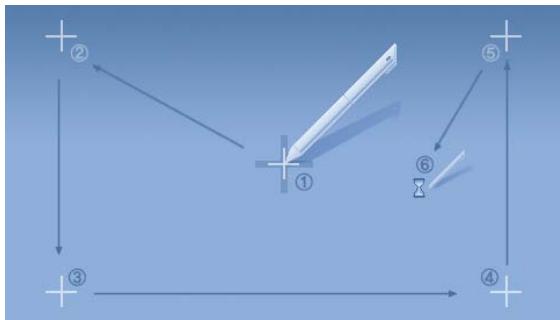
5. When the target moves to another position, tap and hold the center of the new target. Repeat each time to complete the calibration process.

6. When completed within 5 seconds, tap no. 6.

3.7.9 Date/Time settings

To set Date, Time and Timezone tap the time display at the upper right corner of the display.

Set all required information and tap **OK** to confirm.

Chapter 4
Service & Support

4.1 Technical Support

If you need technical assistance or "how-to" help, or if you have a technical question about the functionality of your NAVROAD product, please contact us on the Internet at www.navroad.com.

On this web page you can find Frequently Asked Questions and their answers and contact form.

Our Technical Support is available Monday through Friday, 10:00 a.m. to 4:00 p.m. CET. After hours, you may leave a message by contact form that will be returned within the next business day.

4.2 Registration

Please make sure to register your NAVROAD NR430BT at www.navroad.com. By registering, you will be informed of the latest product updates.

4.3 Maintenance Info

To ensure the unit's normal operation and extended life span, please note the following while using and storing :

Keep dry
This product is not waterproof. If it comes into contact with water spray or is submerged it will seriously damage the components, resulting in irreversible damage.

Do not drop the unit
If violently impacted or shocked, serious damage may be caused.

Avoid sudden temperature changes
Condensation may occur when entering a warm room on a cold day. To prevent condensation from damaging the unit, please place into an airtight plastic bag before sudden temperature changes.

Keep away from strong magnetic fields
When using or storing, please keep away from strong electromagnetic/radioactive or magnetic field equipment.

Operating temperature
The products operating temperature is between $0^{O}C$ - $+40\ ^{O}C$; please do not operate under extreme temperatures.

Avoid exposure to sunlight
Please avoid long periods of sunlight or high temperature exposure.

Using the stylus
The LCD screen is easily scratched; please use only the stylus for operation. Do not use any other sharp objects on the screen to avoid damaging the LCD screen.

Cleaning the screen
Using a soft clean cloth to wipe the screen is recommended; do not use ordinary tissue to wipe the screen.

Do not disassemble
Please do not disassemble the product, this may void the warranty and damage the unit.

Storage
When the product is not being used for a long period, please store in a cool and dry place. For long-term storage, keeping the unit in a dry box is recommended.
Please do not keep the product in the following environments:
1. Unventilated and humid locations.
2. In a car window that is exposed to excessive amounts of sunlight.
3. In an environment where humidity is over 80%.

Troubleshooting Info

Power cannot startup insufficient battery charge, please connect to the adapter and restart   system.

No screen displayed
: After powering up, if the system does not respond, try the following

1. Connect adapter, restart system.
2. Reset system.

Display speed is too slow
1. Check if the battery is low on power.
2. Reset system.

Screen has no response
: Reset system.

Navigation GPS cannot display my current location
: Make sure your current location is not obstructed by buildings or other interferences.
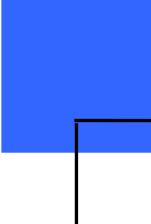
**Chapter 5
Fact Sheet**

Docking station connectors:	TMC antenna
	External microphone
	External speakers
	Charger
Dimensions (W x H x D):	131.0 x 81.6 x 23.6 (mm)
Weight:	230g

5.1 Product Specification

CPU	Samsung S3C2442, 400 MHz
Memory	64 MB ROM, 64 MB RAM
Memory expansion	SD card socket
Operating system	Microsoft® Windows CE.NET 5.0
GPS chipset	SiRFstarIII™ 20 channels
GPS antenna	Embedded type
Battery	Built-in Rechargeable
	Li-Polymer, 1800mAh
	up to 4 h 30 min
Display	4,3" QVGA TFT LCD,
Resolution	480 x 272 px, 16 millions colors
Audio	Built-in speakers
	built-in microphone
Bluetooth	Spec. v1.1, v1.2, v2.0 Compliant
Connectors:	3,5 mm stereo earphones jack
	External GPS antenna
	Mini-USB

Safety Approvals

* **FCC compliance Information**

    This device complies with part 15 of FCC Rules, Operation is subject ot the following two conditions:

    1)This device may not cause harmful interference, and
    2)this device must accept any interference that may cause undesired operation.

* **FCC WARNING**

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

* **CE USER INFRMATION**

Hereby, WIDER Corp., Declares that this Bluetooth(M/N: NR430BT) is in compliance with the essential requirements and other Reievant provisions of Directive 1999/5/EC.