

Portable GPS Navigation

Lookét N5



User Guide Manual

SOC SysOnChip

(ver1.0)

Thank you for choosing and purchasing the Looket N5 model as your GPS navigation and welcome to User Guide Manual.

The device is very easy to use and it takes you just few steps to understand how it works.



- CONTENTS -

Looket N5 Models	3
How to insert SD card	3
Designation	4
Main Screen	5
NAVIGATION Menu	5
First Launch	5
Designation of the navigation screen	7
Useful function on the main menu	8
How to set your home location	14
How to check or re-set GPS hardware	15
How to set TMC	15
Menu Bar on Navigation Screen	16
Warning	19
MUSIC / MULTIMEDIA Menu	20
Music Player	20
Multimedia Player	21
BLUETOOTH HANDS-FREE Menu	23
How to receive a call	24
AV-in Menu	25
SETTING Menu	26
System	26
Bluetooth	27
FM Transmitter	29
Trouble Shooting	30
Warranty	31

● Looket N5 Models

Features	Models	N510	N530	N570
Navigation		O	O	O
Bluetooth Hands-free		O	O	O
Music Player		O	O	O
Multimedia Player		X	O	O
FM Transmitter		X	O	O
AV-in		X	O	O
TMC		X	X	O

* Models and features are subject to be changed without notice.

● How to insert SD card



- ! Be careful of the direction when the SD card is inserted.
- ! Do not remove SD Card while the device is powered on, doing so may result in the device malfunction.
- ! In case of removing SD card, the device is reset automatically.

● Designation



① Sleep & Wake-up or Reset Button

If it is clicked shortly, the device is suspended (on the sleep mode). But if it is pressed for 2 seconds and over, the software reset is conducted.

* Software Reset

Please press and hold the reset button (①) for over 2 seconds.

* Hardware Reset

To turn to the factory reset or conduct hardware reset, please turn off & on the device by the power on/off switch (⑤).

② Charge Status Indicator

- Red: An internal battery is charging.
- Blue: An internal battery is fully charged.
- Off: A power connector is disconnected.

③ Microphone

④ Menu Button

⑤ Power On/Off Switch

⑥ SD Card Slot

⑦ USB & Power Port

⑧ TMC Antenna Port

⑨ AV-in Port

● Main Screen

After turning on the Looket N5 for the first time, Navigation, Multimedia, Bluetooth, AV, Setting can be selected (in case of the Looket N530 and N570 models).



NAVIGATION Menu

This User Guide Manual which is a quite simple manual to follow will take you to understand how it works. For more detail information, please download the manual on our web-site.

Also, you can consult Quick Guides on the settings menu from the main menu of the navigation in the device.

To enter Quick Guides, please do as follow;

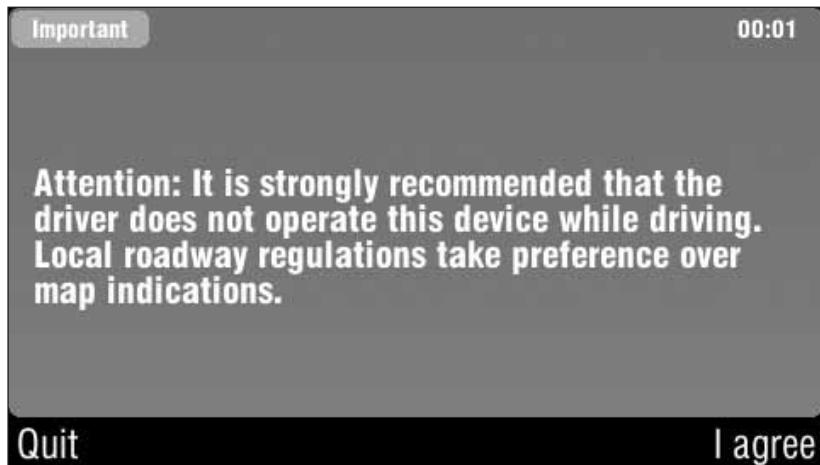
Touch screen → Tap Setting on menu → Quick Guides

First Launch

When you conduct NAVIGATION first time, you should be asked to set language, voice, map, GPS signal etc. All information you set will be saved in a SD card automatically after launch.

1. Tap NAVIGATION on the Main menu.

After reading the important message, click I AGREE.



2. Select your language, voice, distance units, keyboard preference and map.



3. After chose your map, the device is auto-searching for GPS signal, and then its COM port and baud rate which the device is supporting will be set automatically.

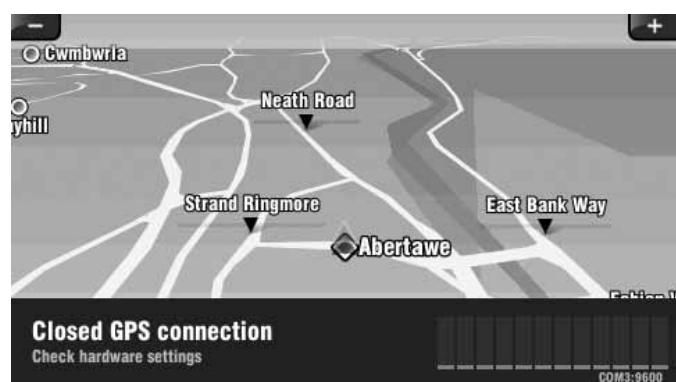
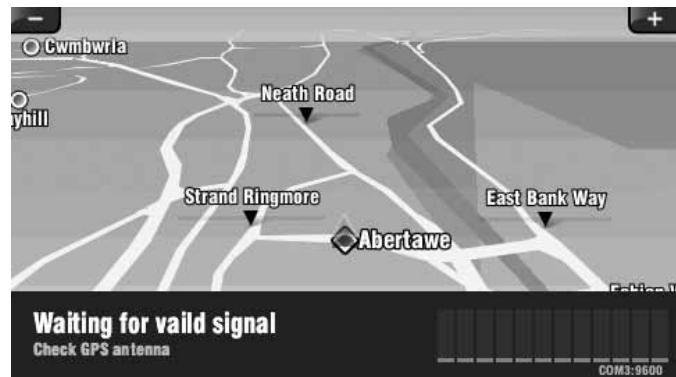
4. You would probably see your current valid GPS position on the map after successful launch.

5. If you tap anywhere on the map area, the Main menu of the NAVIGATION is showed. On the bottom of the screen you can see useful information about your current position - street name with numbers.

※ The process of the first launch is subject to be passed according to the country and maps.

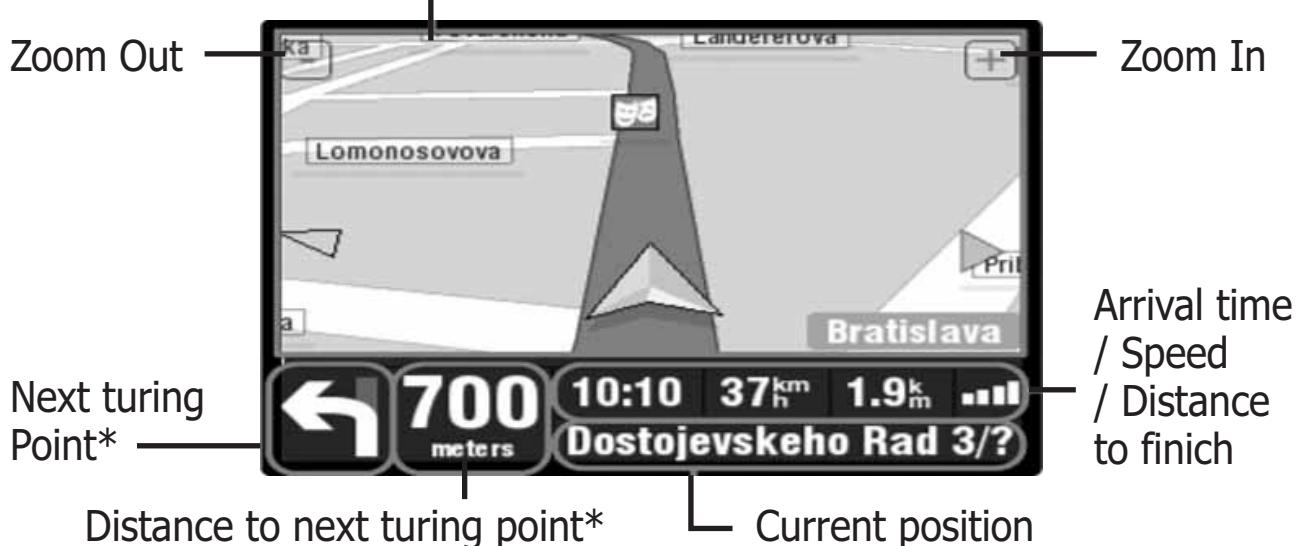
After successful launch, you would probably see your current valid GPS position on the map. If you see only grey screen after launch, you should probably check your GPS status first and wait for valid GPS signal. It takes some time to get valid signal from available satellites. First of all, tap on the grey screen to open the Main menu and find GPS status button.

If the 'Closed GPS connection' message is displayed, check if the GPS module is turned on.



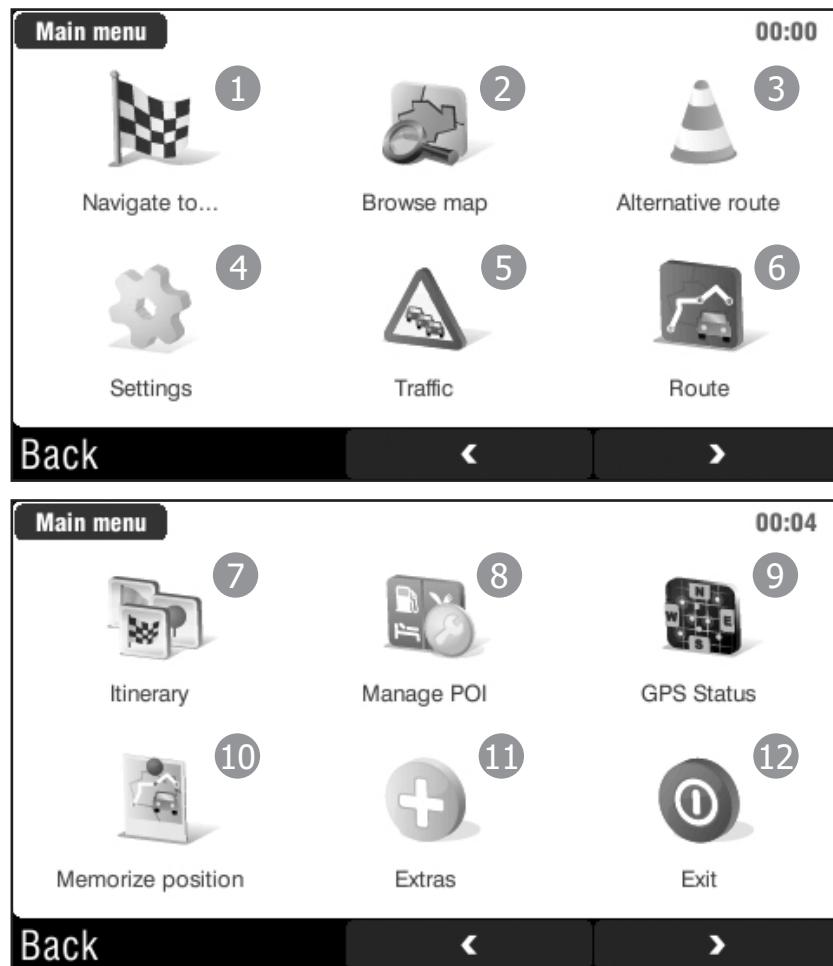
Designation of the navigation screen

Tap anywhere on the map area to open the Main menu



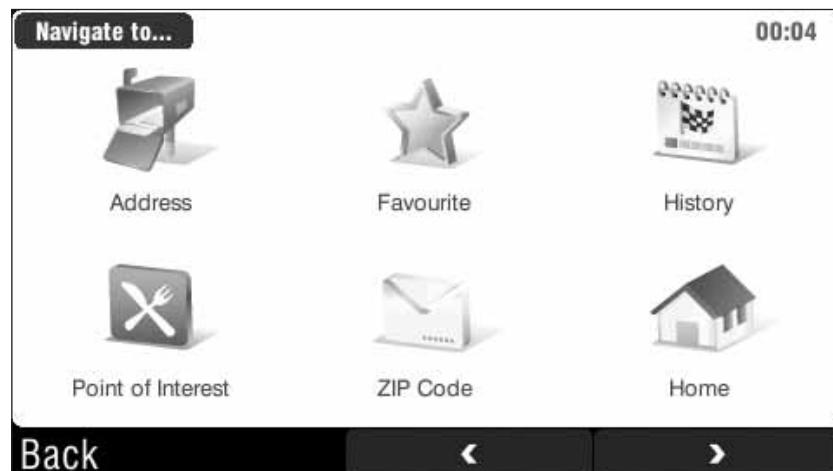
* These information are showed only if you have already computed a route.

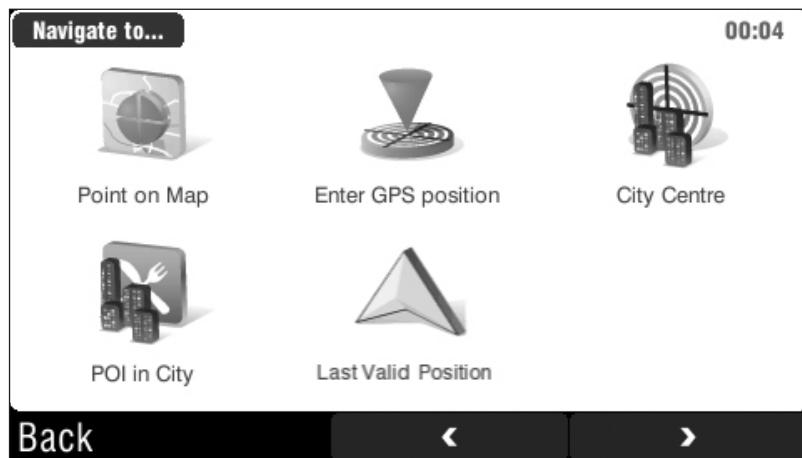
Useful function on the main menu



1) Navigation to

If you click 'Navigation to...' on the Main menu, there are various ways to set your destination and plan your route easily. They will give you great opportunity to choose just the perfect option for you.





In this guide, we'll show you how to use the Navigation to function using the Address option.

1. Touch Address on the Main menu.
2. Select Country, City, Street and Number step by step.
Or find them using the keyboard on the screen.
3. Select your departure screen appears.

You can choose from three options - wait for valid signal, Last valid position or Select from map.

(Wait for valid signal and Last valid position work properly when the GPS is turned on.)

※ Management of Favorites

There are two ways how to add the address and/or destination to the Favorites.

1) Browse map on Main Menu

- ① Select the point (where you'd like to add on the Favorites) on the map. Or tap Options - Find - Address and then you can enter the exact address (or other options available).
- ② Click the Context menu button in the middle of the bottom black title bar where you have several option (navigate there, travel via, etc.).
- ③ Select Add as POI , then tap Favorites.

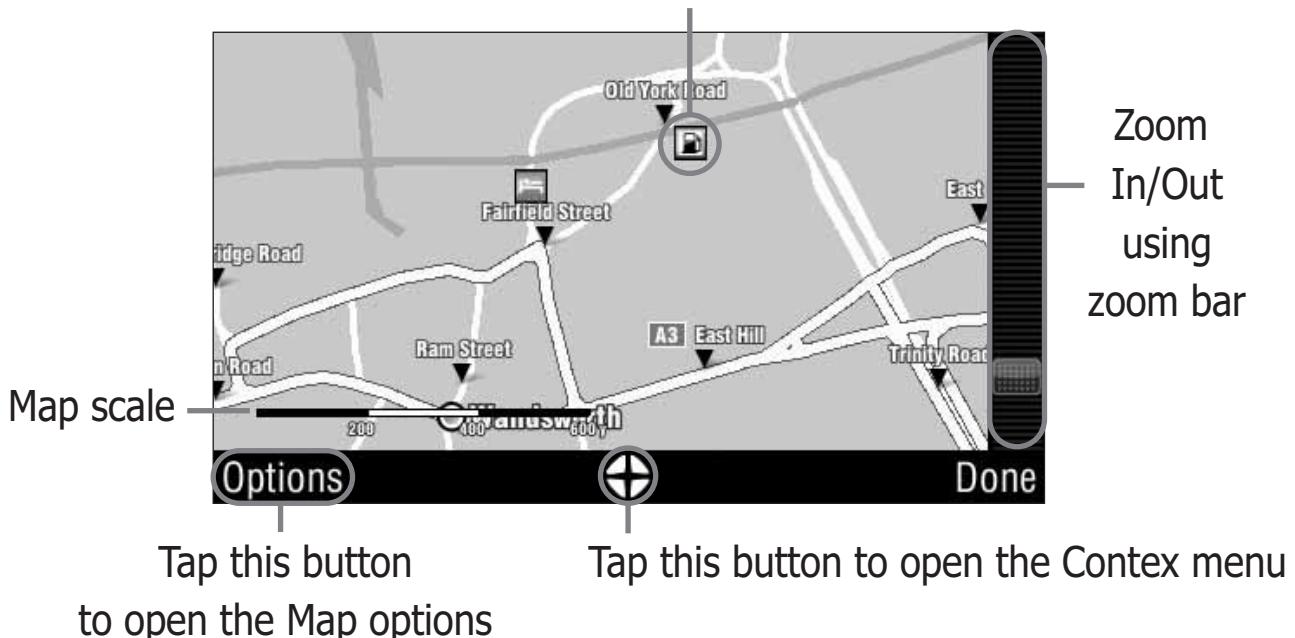
2) Manage POI on Main Menu

- ① Click Add POI.
- ② Choose Address (or other) to insert the place to Favorites.
- ③ Tap Favorites on 'Select or create a category' menu.

2) Browse map

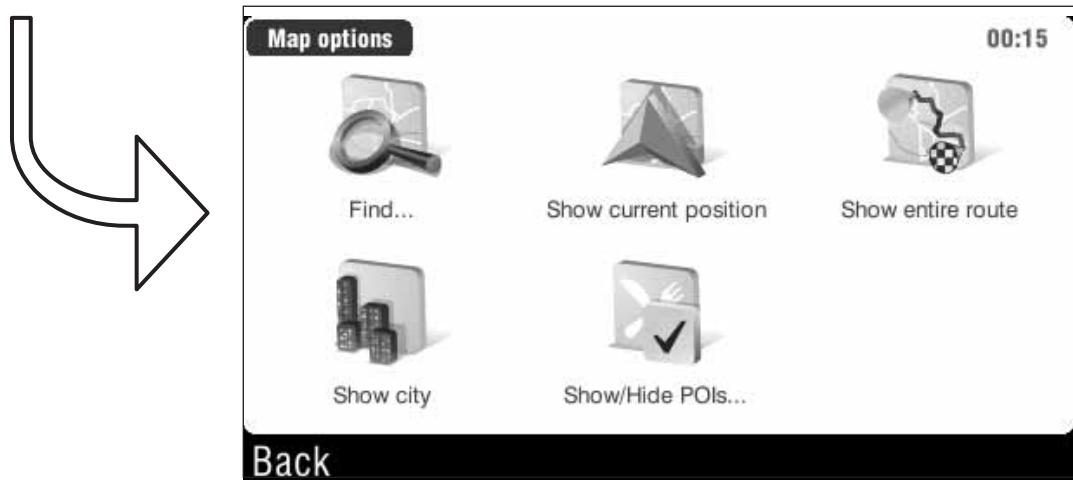
If you tap 'Browse map' on the Main menu, it is available to browse the entire map and search for your destination or POI. By simple dragging, you will be able to scroll through the map and explore new areas.

Browse map cursor informs you about targeted POI or street



Tap this button to open the Context menu

to open the Map options



3) Alternative route

You can set which roads should be added or avoided. And also you can also avoid the traffic delays and much more. As in the case with the route button, alternative route button is also available after you'll plan your main route.

4) Settings

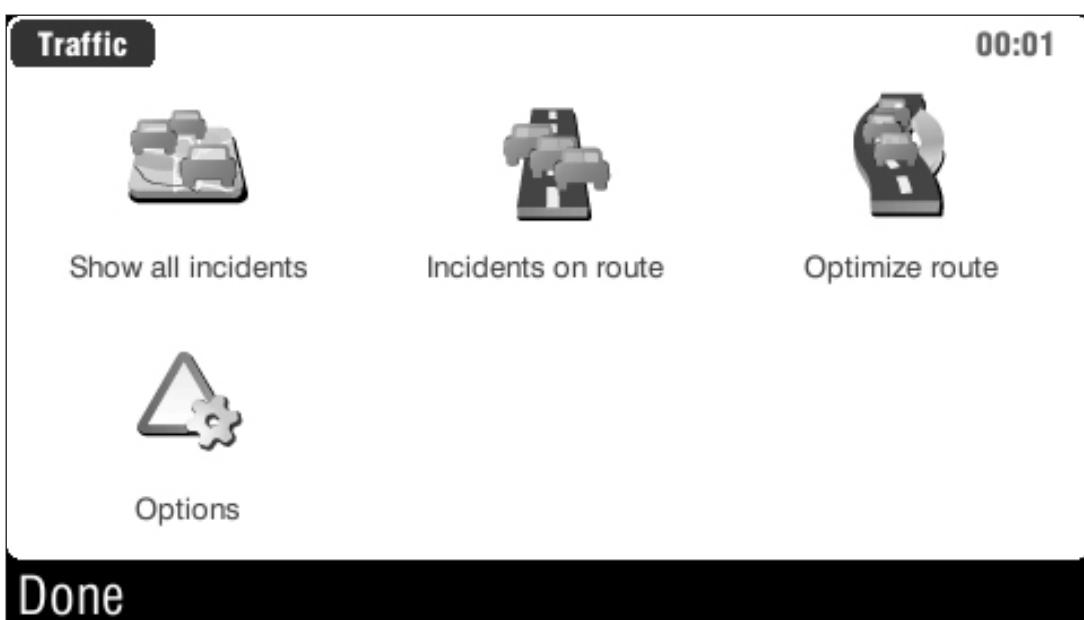
When you tap Settings from the Main menu, you can modify Sygic DRIVE and user's preferences.

The Settings menu includes;

- Set to 2D (flat) view / Set 3D view
- Set night / daylight / automatic colors
- Disable / Enable sounds
- Volume settings
- GPS logs
- Advanced settings
- Planning preferences
- Toll charge settings
- Set vehicle type
- GPS hardware
- Signpost settings
- Rotate display
- Left handed
- Keyboard settings
- Regional settings
- Set language
- Set voice
- Switch map
- Set home location
- Backlight settings
- Quick guides

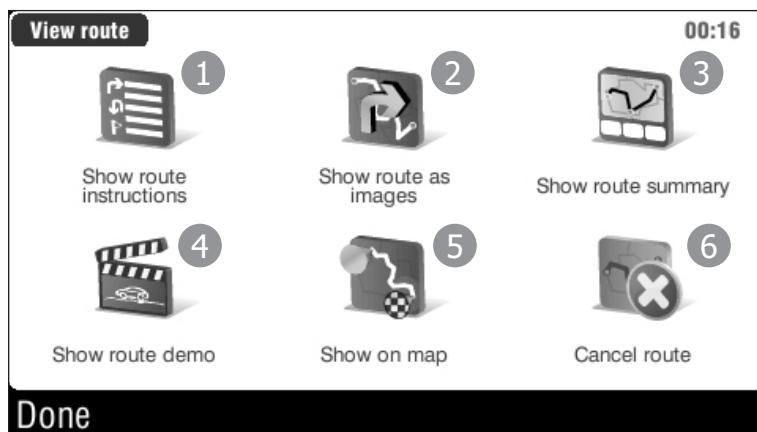
5) Traffic

The only Looket N570 model supports this function.

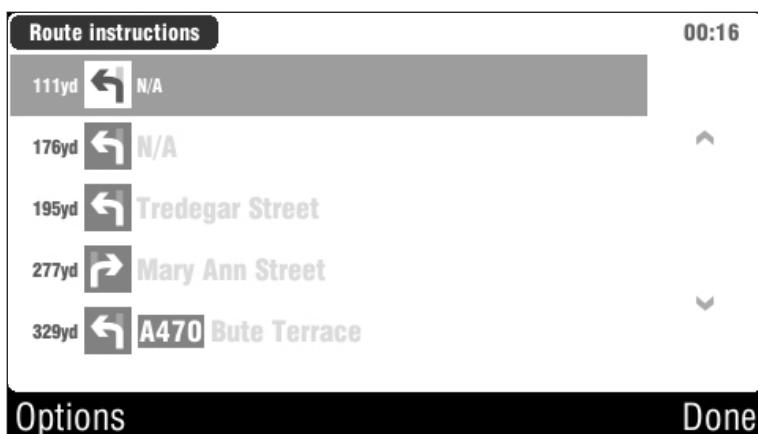


6) Route

You have to first planned your route to get access to route options. If you haven't planned your route, the route button isn't available. Here you can find all the further information about your route, you can view the whole route in image slides or even watch the route preview by using the route demonstration option.



1 Show route instructions



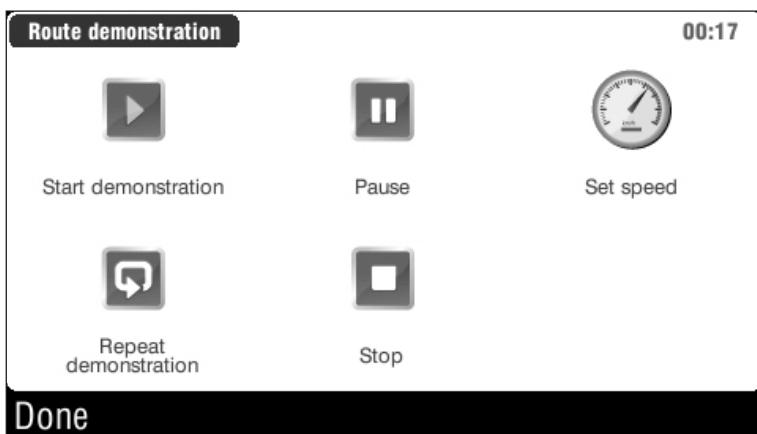
2 Show route as images



3 Show route summary



4 Show route demo



5 Show on map

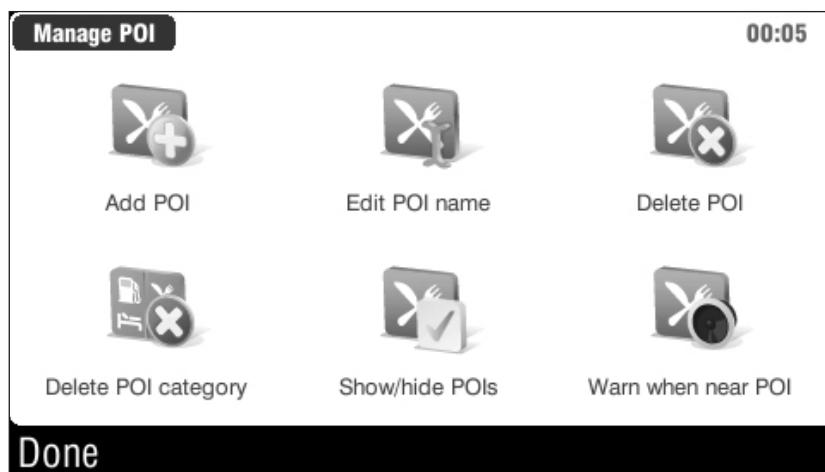


7) Itinerary

It allows you to plan your business journey, comfortably from your home.

8) Manage POI (Point of Interest)

Various POIs are showed on the map such as airports, banks, bus stations, hotels, parking garages, shopping centres. You can easily manage them and add your own POIs or there is also a function which warns you when you'll be crossing the nearby POI.



9) GPS status - check 'valid satellites' or 'your valid position'.

10) Memorize position - save your current position into History.

11) Extras - following options (World Clock, Calculator, Unit Convertor, Country Info) are available.

12) Exit - tap the button if you want to close down Navigation.

How to set your home location

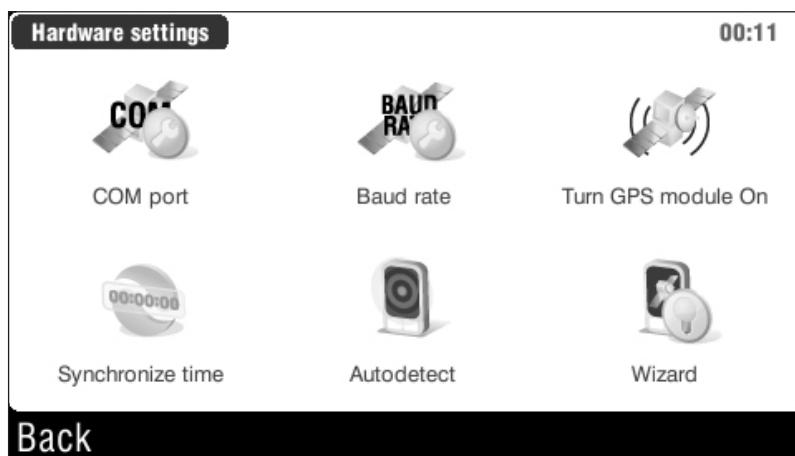
1. Tap 'Set home location' on Setting menu.

2. Afte your home location has been saved, just click Home on Navigation to menu to navigate home in the future.

※ If you don't have a home location saved, the device will prompt you to set your home location when you click Home on Navigation to menu.

How to check or re-set GPS hardware

1. Tap Settings on Main menu and then click GPS hardware.
2. Check Turn GPS module button for activation GPS module.
(The icon should be same with the following picture.)



3. Tap 'Autodetect' to search COM port and baud rate automatically and then wait to fix it. Or set following COM port and default baud rate by your self after tap COM port and Baud rate.

COM port: COM3

Baud rate: 9600

How to set TMC

Only the Looket N570 model connected with an external TMC antenna is available for TMC service.

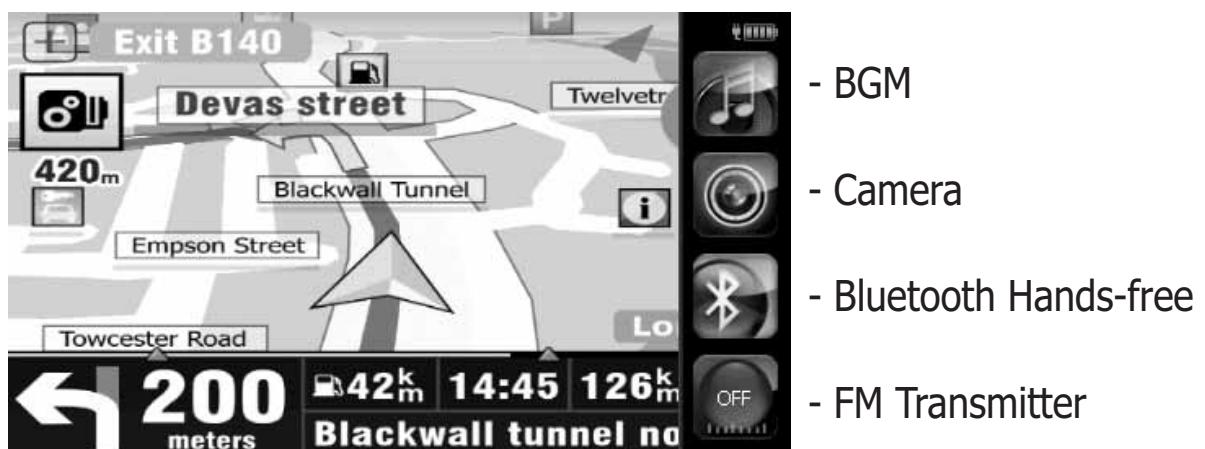
1. Click Settings on Main menu and then tap GPS hardware.
2. Select Wizard and autodetect GPS receiver port.
3. Tap yes when you are asked,
"Do you have TMC receiver?".
4. Click RoyalTek as GNS and set following COM port and baud rate.

COM port: COM2

Baud rate: 38400

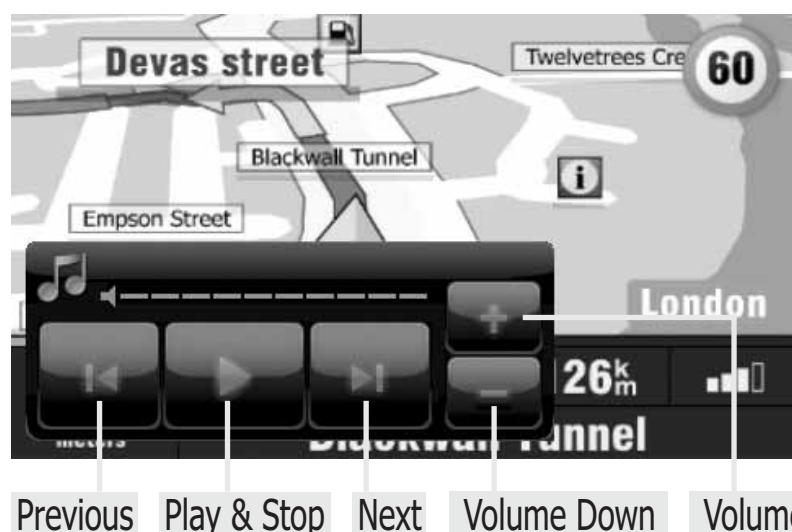
Menu Bar on Navigation Screen

If a 'M' (menu) button on the right side of the device is pressed during running the navigation, the Menu bar is come up on the right side of the screen. There are the indicator of the battery status and 4 icons for BGM, Camera, Bluetooth and FM Transmitter on the menu bar in case of the Looket N530 & N570.



1) BGM (Back Ground Music) Button

The user is able to listen to MP3 music with the navigation. The BGM program plays the music in the Music folder of the inserted SD card in order of precedence. MP3 files which users would like to play in the BGM program can be added to the Music folder of the SD card.



2) Camera Button

When this button is selected, the video signal from the AV port is shown on the screen. If the vehicle has the rear camera, the image from the rear camera is displayed on the screen.

The program is ended when touched the screen, and then the Navigation screen comes up.

In case that the external AV is connected instead of the rear camera, the video is supported but the sound is not provided during the operation of the Navigation.

On the System menu of the Setting menu of the Main menu, it is able to set the video from the rear camera is shown automatically when the AV signal is occurred. As soon as the AV signal is disconnected and the camera view is closed, the Navigation screen is displayed. (The function will be useful in case of connecting the rear camera signal with the reverse gear.)

If the AV signal is weak or it is not existed, the message, 'No Signal', is shown on the screen.

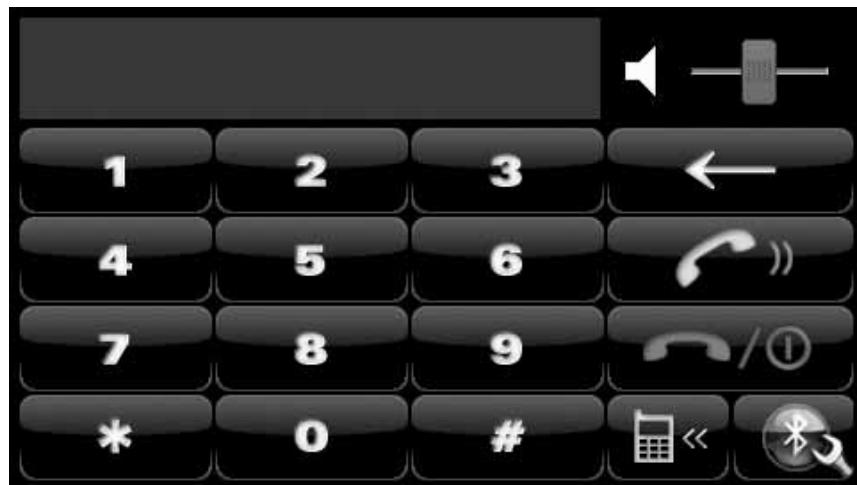


[View from Rear Camera]

3) Bluetooth Hands-free Button

If this button is clicked, the Bluetooth hands-free program is conducted.

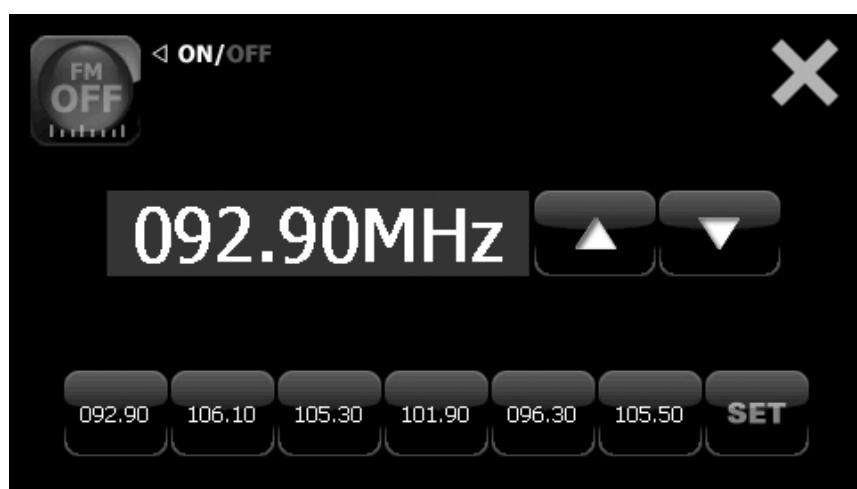
When the Bluetooth is available, the background color of the icon is blue. And if the background color is white, it means the Bluetooth is disabled to use.



4) FM Transmitter Button

When tapped this icon, the screen is displayed to set the FM transmitter function.

In case of enabling the FM transmitter, the icon is bright and the current set frequency is indicated on the icon. If the function is disabled, 'OFF' is displayed on the icon.



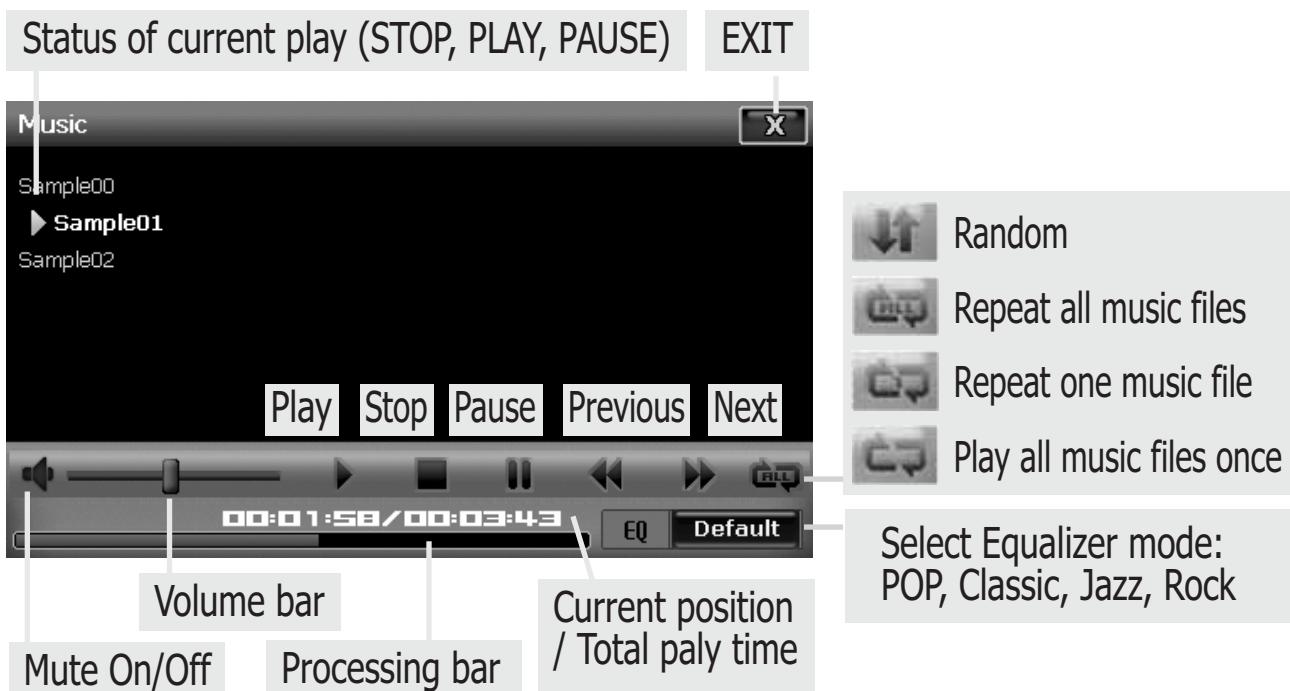
|| Warning

- * Place a device where it has a clear view of the sky. GPS signals can be obstructed by ceilings, trees, nearby tall buildings and the roof of the vehicle.
- * Initial GPS fix may take up to 2 ~ 10 minutes depending on circumstances.
- * Please fix initial GPS with a full charged battery. It'll take longer than before with a low battery.
- * Vehicles with a coated or hear reflective windshield may require on an external GPS antenna (not included).
- * To protect the device against sudden current, please connect a car charger only after the car engine has been started.
- * Use only power supplies included in the unit package provided by the manufacturer or officially approved by the manufacturer.
- * Connect a car charger during operation. Low battery may deteriorate GPS performance.
- * Unauthorized power supplies may harm the device and any accidents or damages from this will not responsible for the manufacturer.
- * Before placing the suction cup, clean the inside of windshield and remove any dust or grease.
- * The suction may be lost if left overnight, due to condensation and low temperature.
- * Do not leave the device in an vehicle with high temperature.

MUSIC / MULTIMEDIA Menu

Music Player

The only Looket N510 model has a Music Player. Music files are able to be stored from PC to SD card through SD card reader. All files which extension are mp3 in the SD card are listed on the screen of the Music Player.

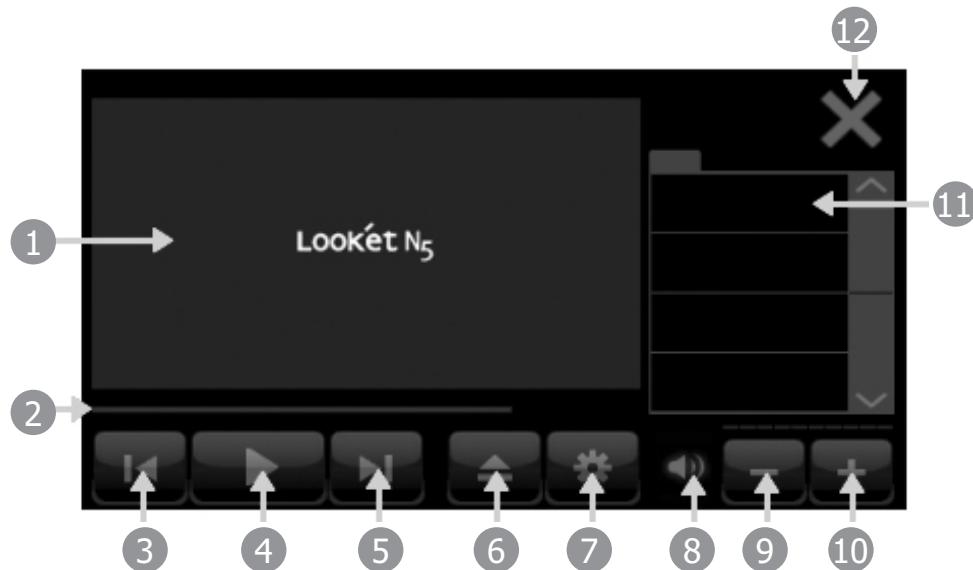


Please insert SD card before starting the Music Player. Also, before you take out SD card, please exit the player and go back to the main screen. If SD card is taken out while the Music Player is running, it will harm the device which will not be working normally. In case of removing SD card, the device is reset automatically.

Multimedia Player

The Looket N530 & N570 have a Multimedia Player. Various video, audio, image files saved in SD card will be able to be displayed.

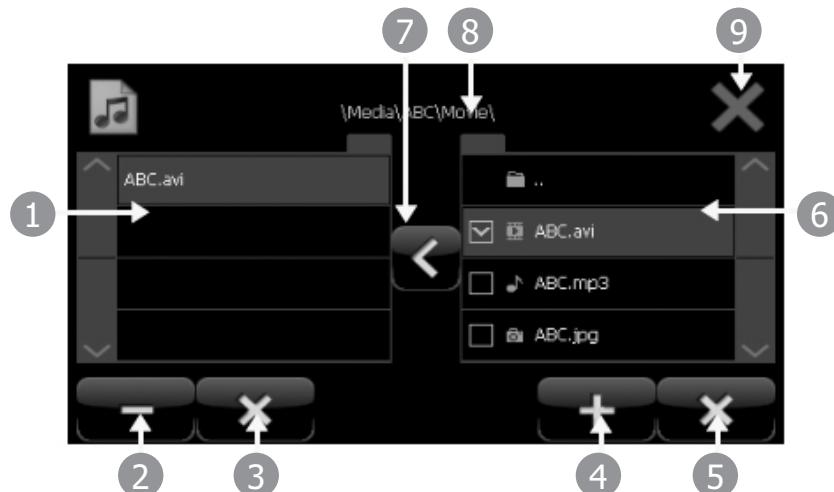
- ※ Best resolution: 480 x 272 pixels
- ※ Supporting codec: mpeg, mpg, asf, wmv, avi, mp3, jpg



- ① Screen
 - If the screen part is clicked, it is changed to the full screen.
- ② Status Bar
 - The playing part is able to be selected by moving the bar.
- ③ Previous Button: Play the prior file.
- ④ Play / Pause Button
 - Play or stop playing and ready to continue the current file.
- ⑤ Next Button: Play the following file.
- ⑥ Edit: Open the window to edit the file list.
- ⑦ Set-up Button: Show the set-up screen.
- ⑧ Mute On/Off: Sound is on or off.
- ⑨ Volume Down Button
- ⑩ Volume Up Button
- ⑪ Play List
- ⑫ Exit: Close the program.

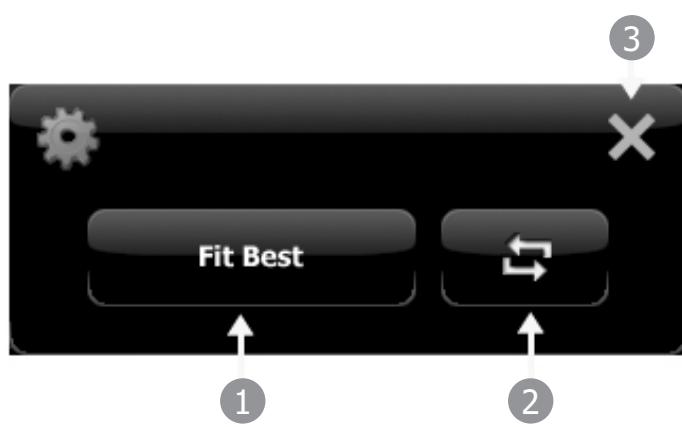
* Edit Window of File List

This is the edit window to make the file list which can be played such as music, video, images.



- ① Showing the edited file list
- ② Delete the selected file on the file list
- ③ Delete all files on the file list
- ④ Select all file in the chosen folder of SD card
- ⑤ Cancel the selection of the file in the chosen folder of SD card
- ⑥ Display the file able to be playing in SD card
- ⑦ Add the checked file to the file list
- ⑧ Show the path of the selected folder
- ⑨ Close the file list editing window

* Setting Window



- ① Screen size setting
 - Fit Best
 - Fill Screen
 - Stretch to Screen
- ② Play mode
 - Repeat All ()
 - Random ()
- ③ Exit

BLUETOOTH HANDS-FREE Menu

To use the Bluetooth hands-free function, please make the function enabled on the Bluetooth menu of the Setting menu, and also set the connection to the mobile phone with a built-in Bluetooth function.

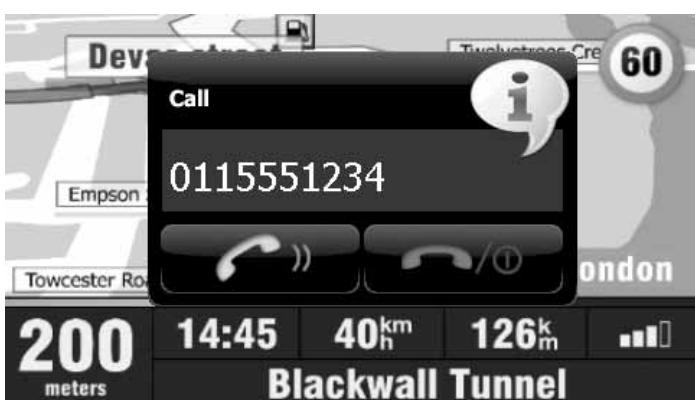


No	Name
1	Status Indicator
2	Dials
3	Mute On/Off
4	Volume Controller
5	Delete
6	Call
7	End / Exit
8	Convert to a call to the mobile phone or the hands-free
9	Setup

Status Indicator	Contents
Bluetooth Off	Bluetooth is disable.
No Connection	Bluetooth is not connected.
Wait...	Wait for the Bluetooth connection.
Last Call	Make a call to the last call number Switch.

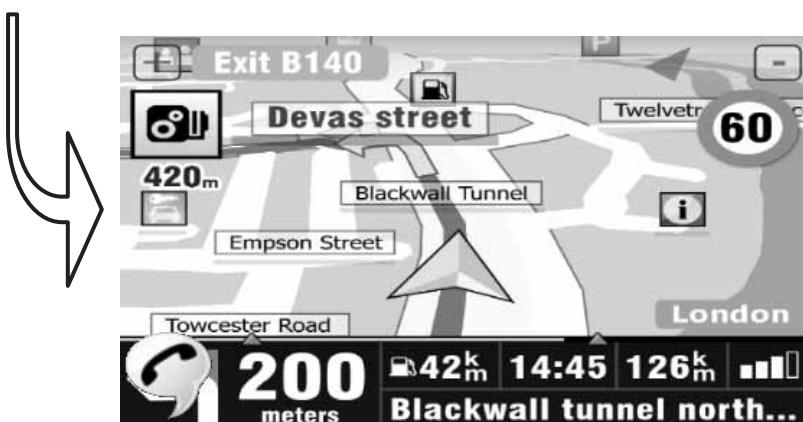
How to Receive a Call

If someone calls to the user's mobile phone connected with the Looket N5 via Bluetooth, the following window comes up and a bell rings. To answer the call, the Call button should be clicked. But, if the user is under the situation that he can not answer it, the End/Exit button is able to be selected, and then the window is closed after the call line is off.



The call is connected and the screen is changed to the following screen.

The telephone icon is displayed on the left-bottom side of the screen while talking over the telephone.



The icon is disappeared automatically as soon as finished the call.

If the icon is clicked to finish the call or control the volume level etc., the Bluetooth program comes up.

! While the call is received by the Bluetooth hands-free, all sound from other application programs such as Navigation, Multimedia Player, AV Receiver etc. is muted for the better conversation on the phone. By such the principle, the voice is not out from the FM radio when the FM transmitter function is enabled, so the sound is made through the only speaker of the Looket N5.

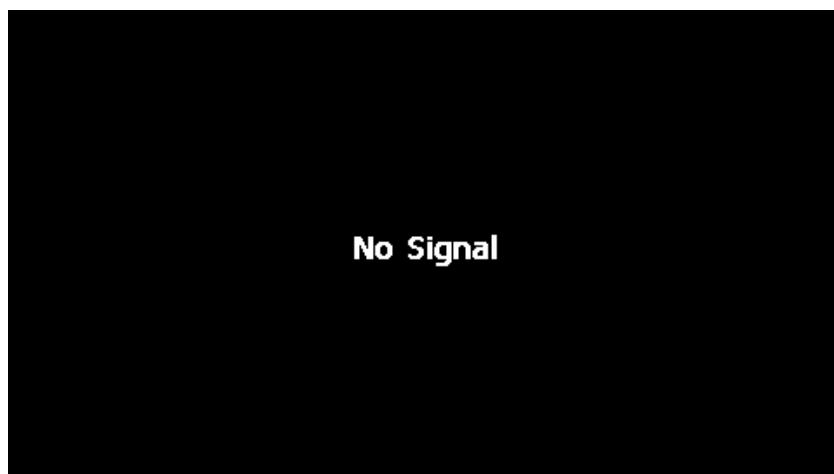
AV-in Menu

The AV menu is to play the video / sound from an external AV input. If a device supporting AV output such as iPOD Video etc. is connected to the Looket N5 (excepting the Looket N510), the user can enjoy the video on the screen.

If a user's vehicle has the rear camera which is connected to an AV port on the Looket N5, the image from the rear camera is displayed on the screen.

If there is no input signal from outside when AV is executed, the screen with 'No Signal' message is displayed.

In this case, please check the AV input cable or the device handling AV output.



SETTING Menu

System



- 1) OS version Information of Looket N5
- 2) Intrinsic ID Information of SD card
- 3) Language Selection
- 4) Recalibration of Screen: The touch pad can be recreated.
- 5) Auto Power Option On/Off

When the power supply is shut off using the power connector such as a cigar charger or an AC charger, this function is to convert the device to the sleep mode automatically.

In case of enabling Auto Power Off, if the power supply is cut off like turning off the ignition of the vehicle, the pop-up dialog with the Power Off message is come up to inform to turn the power off. Then the device is automatically turned off 5 seconds later and the sleep mode is conducted.

- 6) Auto Rear Camera Option On/Off

In case of the vehicle with the rear camera, the screen automatically displays the camera image when the signal like the change to the reverse gear is inputted to AV.

Bluetooth

It is able to enable or disable to use the Bluetooth function and set the connection to the mobile phone with a built-in Bluetooth function through the hands-free profile.



- ① Bluetooth Function On (blue) / Off (grey)
- ② Name of Bluetooth Device
- ③ Address of Bluetooth Device
- ④ Connected Mobile Phone Name through Bluetooth
- ⑤ Pairing Mode Button to be converted or returned
- ⑥ Reset Button to delete all connected devices lists and connect a new mobile phone
- ⑦ Indicator showing Bluetooth Connection Status

※ How to connect Bluetooth Hands-free

1. Click the Bluetooth button to make it enabled.
2. Indicate the name and address of the Bluetooth device.
3. Display 'Ready' in the widow of the status indicator.
4. Press the Pairing Mode button to wait for the connection.
5. Click the Pairing Mode button again and then convert to the ready status.
6. Search the device in the mobile phone supporting the Bluetooth hands-free function.
7. Request the service search to the found Looket-N5 device.
8. Demand the connection after selecting the hands-free profile.
9. Input '0000' (4 zero) if the pin code is needed during the process.
10. When it is connected, the name of the connected mobile phone device is shown.

! Please refer to the manual of the mobile phone about how to connect the phone with the Bluetooth function for more detail information.

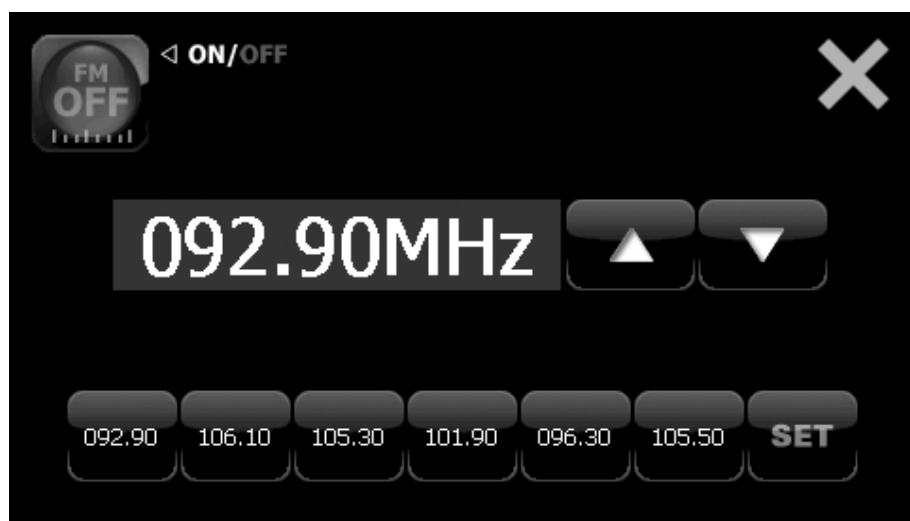
! The Bluetooth of the device supports only the hands-free function. While pairing the Bluetooth connection on some mobile phones, various service such as Headset, Hands-free, Stereo Headset etc. are showing on the menu of the phone. At this moment, the Hands-free should be selected to be connected with the device through Bluetooth. (In case of choosing Headset or Stereo Headset, it will not be connected between the device and the mobile phone.)

! Generally, the mobile phone supporting the Bluetooth Hands-free profile can be connected to the Looket N5. But, some particular mobile phones are not able to be compatible with the device.

FM Transmitter

If the frequency of FM radio in the car is set to the predefined frequency on the FM Transmitter Setting menu, the user can enjoy the sound from Looket N5 via the speaker connected to the FM radio. At this time, all sound from the device is silent excepting only voice from the Bluetooth hands-free.

The available frequency range is from 88.1 M Hz to 107.9 MHz and it can be selected by 0.1 MHz.



※ How to Preset

- 1) Click Set and select the frequency by using Up/Down icons.
- 2) Press the preset button between 1 to 6.

● Trouble Shooting

Trouble	Solution
The device is frozen or locked up.	<p>Please reset the device by pressing a Reset button on the left side of the device for 2 seconds and over.</p> <p>If this doesn't help, please do a hardware reset by the Power On/Off switch.</p>
Power does not turn on when using battery power.	<p>The remaining battery power may be too low to run the device.</p> <p>Connect an AC adapter (or a car charger) to the device and external AC power.</p> <p>Check the Power On/Off switch on the bottom side.</p>
Something wrong in the LCD screen.	<p>If it's dark, this can be from excessive temperature. (Operating temp.: -10 ~ +60 °C)</p> <p>If it's hard to read, please check the back light level.</p> <p>If the screen freeze, please reset the device.</p>
GPS signal is not good.	<p>Make sure that the GPS receiver is adjusted to the horizontal position and it has a clear view of the sky.</p> <p>GPS reception can be affected by below circumstance.</p> <ul style="list-style-type: none"> - Bad weather - Dense overhead obstacles (e.g. trees and tall buildings) - Other wireless device in the car - Metallic windshield coating <p>Looket optional external antenna will boost the performance.</p>

If you have some problems using Looket N5, which you are not able to solve them by your self, we are always welcome to contact us.

● **Warranty**

※ **Limited Warranty**

SysOnChip, Inc. warrants Looket N5 against defects in material and workmanship, under normal use and service, for one (1) year from the date of purchase only with the proof of purchase. And the warranty period might vary depending on the region, dealer, retailer or sales contract.

The warranty period of a rechargeable battery and consumables are six (6) months from the date of purchase.

Incompatibility is not a defect covered by SysOnChip's warranty. If the product is found to be defective in material or workmanship during this period, SysOnChip or one of its authorized distributors will, at its option, repair or replace the defective product without charge when furnished with proof of retail purchase. If you ship the product to SysOnChip or one of authorized distributors, you must use the original container or equivalent and the shipping charges is your responsibility. SysOnChip or distributors will bear shipping charges for returning the product.

This warranty does not apply to any product which has been subjected to alteration, unsealing or disassembly and detached warranty or serial number label at any case.

SysOnChip is not responsible for incidental or consequential damages resulting from breach of any express or implied warranty, including damage to property and, to the extent permitted by law, damages for personal injury. This warranty is in lieu of all other warranties including implied warranties of merchantability and fitness for a particular purpose.

※ LCD Warranty

Looket N5 is a portable device, therefore the free warranty cannot apply to LCD when it damaged from misusing or abuse.

※ Power supplies and cables

Any damages from using power supplies or cables which are not provided or officially approved by the manufacturer cannot be included in the warranty and are not responsible for SysOnChip.

Basic Unit Package

- Looket N5
- Bracket
- Car Mount
- USB Cable
- Car Charger
- Quick Start Guide

Opational Accessory

- AC Adapter
- AV Cable
- External GPS Antenna
- TMC Antenna

* Package contents might vary depending on countries without notice.



CE 0678 !



THIS DEVICE COMPLIES WITH
PART 15 OF THE FCC RULES



4F., Singwan Bldg., KT Bukdaejeon Branch Office,
138 Gajeong-dong, Yuseong-gu,
Daejeon, 305-350, The Rep. of Korea

Tel: +82.42.864.4665

Fax: +82.42.864.4664

E-mail: sales@sysonchip.co.kr

Web-site: www.looket.com

www.sysonchip.co.kr/eng

Copyright © SysOnChip, Inc. 2008

All rights reserved. Reproduction, transfer,
distribution or storage of parts or all of the contents
in this document in any form without the prior
written permission of SysOnChip, Inc. is prohibited.

Other product and company names mentioned
herein may be trademarks or trade names of their
respective owners.

Do Not.

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

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

15.105 Federal Communications Commission (FCC) Requirements, Part 15

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 technician for help.