Portable GPS Navigation

Looket N6

User Guide Manual

ΣOC SysOnChip

(ver1.6)

Thank yo u fo r cho osing and purchasing the Look et N6 model as your GPS navig ation and welcom e to User Guide Manual.

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

- CONTENTS –

- NOTICE & WARNING -

Reset - To reset a Looket N6, please turn off and on a switch
on the top of the device.

Installation
- Before installing a suction cup of a mount, please clean and
  inside of windshield and remove any dust or grease.
- Avoid placing your device and accessories near or in an air
  bag deployment area. If not, may cause serious injury when
  air bags inflate rapidly.
- Do not place unsecured on a dashboard.
- Do not mount where a driver's field of vision is blocked.
- D evice i s des igned and appr oved f or v ehicle windshield
  installation, han d-held only to meet FCC RF exposure
  compliance requirements, othe r operating config uration are
  not approved.

GPS (Global Positioning System)
- I f taking long tim e to g et G PS sig nal and f ind curre nt
  location, place it wher e it has a clear view of th e sky. GPS
  signals c an be o bstructed by c eilings, tr ees, nearby t all
  buildings and the roof of the vehicle.
- Initial GPS f ix may take up to 2~10 minutes depending on
  circumstances.

  Important: _Some vehicles with a coated or heat reflective
  windshield m ay req uire on a n e xternal GPS a ntenna (n ot
  included)._

- Fix initial GPS with a full charged battery. It will take longer than before with a low battery.
- The Loo ket dev ice is supporting a Si RFInstantFixII technology, so it is ab le to re ceive s ignal m ore quickly from GPS sa tellites a nd ind icate a current l ocation on t he m ap without waiting for long time.
- If there is no sav ed GPS sate llites information or the sav ed information i s not e nough, th e SiRFIn stantFixII f unction would no t be working no rmally. A lso when receiving G PS signal at first, the location error can be happened dependi ng on op erating circumstances. Moreover, i n ca se o f no t u sing the device f or o ver 3 da ys, th e SiRFIn stantFixII f unction would not be operated.

※ SiRFInstantFixII technology

It can red uce warm start s, the typ ical PND star t-up m ode, from over half a minute to as little as five seconds, and in urban canyons the di fference can be ev en m ore significant. It do es this while demo nstrating exc ellent po sitional accuracy, a n im portant attrib ute f or nav igation devices. I t accomplishes thes e us ing s ophisticated, pat ent-pending algorithms tha t enab le th e PN D to m odel th e b ehavior of visible GPS s atellites duri ng the da y and pr edict their position in th e sky f or u p to th ree da ys in t he f uture. It continuously refines its calculations based on the late st data it receives from the sa tellites b eing tr acked ev ery tim e t he PND is used. I t p erforms t hese cal culations completely autonomously, wit hout ev er ne eding updates o f an y kind from a network.

Battery and Chargers
- Use onl y b atteries and charg ers inc luded in the p ackage provided or officially approved by the manufacturer.
- Ri ck o f expl osion i f bat teries ar e r eplaced by an i ncorrect type.
- Una uthorized batteries or c hargers may harm the d evice and any accidents or damages. This will not responsible for the manufacturer.
- Dispose of used batteries according to the instructions.
- Nev er di spose o f bat teries o r devices i n a f ire o r heat ing devices such as ovens or stoves.
- Nev er c rush or punct ure t he bat tery o r dev ice. A void exposing them to high externa l pressure, which can lead to an internal short circuit and overheating.
- To protect the device against sudden current, connect a car charger only after the car engine has been started.
- Conn ect th e char ger during o peration. Low b attery ma y deteriorate GPS performance.

Memory Card
- Do not remove the card while the device is transferring or accessing inf ormation, as it c ould re sult i n l oss o f d ata and/or damage to the card of device.
- Pro tect card s f rom s trong shoc ks, sta tic el ectricity, and electrical noise from other devices.
- F requent wri ting and er asing wi ll s horten the l ife s pan o f memory cards.
- Do not touch gold-colored contacts or terminals with fingers or metal objects. If dirty, wipe the card with a soft cloth.

Safety Warnings

- Looket N6 has the microphone on the front side and the speaker on the back side. So if talking with the speaker to the ear, the other cannot hear your conversation because the microphone is on the opposite.
- Looket N6 is designed to make or answer a call via Bluetooth connection with the phone after mounted in a car.
- In case of using the unit as a portable device, we do not recommend to use the Bluetooth hands-free function.
- Do not put the speaker to the ear. It is a portable device with high volumes so it can damage your hearing.
- An ear set provided or approved by SysOnChip, Inc. is able to be connected to the ear set port for phone communication.
- Please maintain a minimum of 20 cm between the device and the body to avoid potential interference while being on the unit as a portable device and/or using it in a vehicle although the device has a voice communication function.
- Do not use and/or leave the device in high or low temperature and potentially explosive environments to prevent permanent damage. Specially, do not leave the device in the vehicle on hot summer days or during cold winter nights.

- In case of not using the device for a long time, off the power switch to protect the unit.
- The suction of the mount may be lost if left overnight, due to condensation and low temperature.
- Wipe or dry the LCD screen of the device using a soft cloth.
- Do not use any liquid cleaners. It is a good idea to use a LCD protection film.
- Do not allow the device to get wet - liquids can cause serious damage. Do not handle the device with wet hands. Water damage to the device can void the warranty.
- Do not expose the device and the memory card to magnetic fields.
- Allow only qualified personnel to service the device. If not, the device can be damaged and will void the warranty.
- The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

WARNING

U.S.FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT
INFORMATION TO THE USER

NOTE: 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.

There 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 communication. 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 of a circuit difference from that to which the receiver is connected.
- Connect the dealer or an experienced radio/TV technician for assistance.

Changes or modification not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment.

Connecting of peripherals requires the use of grounded shielded signal cable.

1. Loo ket N6 Models

Models / Features	N600 N	630 N	670
Navigation	O O O		
Multimedia Player	O O O		
Bluetooth Support	X	O	O
Video-in	X	O	O
TMC	X	X	O

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

2. Befor e Starting Looket

◆ **How to insert micro SD card**

- Turn off before putting a microSD card.

- Insert the microS D card li ke a f ollowing picture.

- Be careful of the direction when inserting the card.

- Do no t r emove the ca rd while the device is po wered on , doing so ma y r esult in the dev ice mal function. W e recommend t o turn o ff t he dev ice bef ore r emoving t he card.

◆ **How to install Windshield Mount**
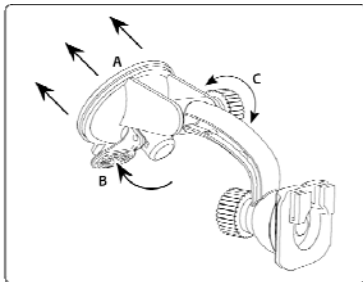
1. Push th e su ction b ase (A) against the windshield.

2. Flip the base lever down (B) to the lock ed position.

3. Adjust the ang le of the pedestal arm by tightening t he ang le adjustment k nob (C) at the b ase to the d esired angle.
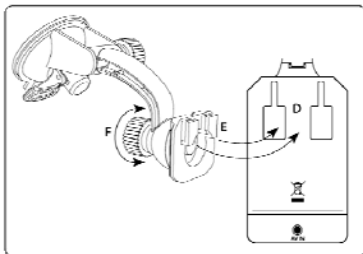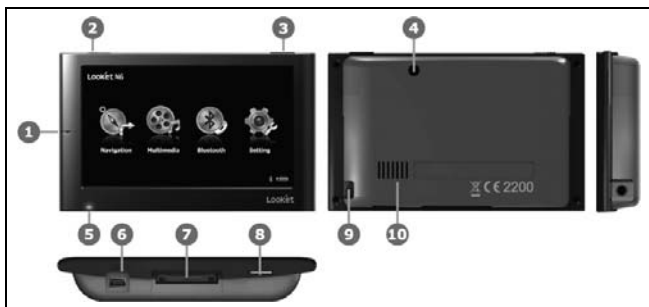
4. Connect t he cr adle (D) on th e du al T -tabs (E) on the pedestal head.

5. Adjust the ang le and rotation o f the head b y tightening the head adjustment knob (F).
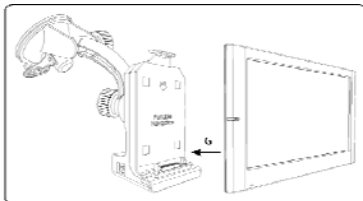
6. Mount the device on the connector (G) of th e cradle.

7. Connect th em with a snap.

3. Designation

① **Microphon e**

When you mak e and/or answer calls through B luetooth hands - free function, you can speak into the microphone.

② **Power On/Off Button**

When switched of f and on, th e hardware of the device is r eset. At this time, saved settings etc. will be deleted. The switch can be used f or the hard ware reset of the d evice and to sav e the power for long time in case of being used as a port able memory device without external power.

③ **Menu Button**

A menu bar i s come o ut when t he but ton is pus hed at t he contents supporting the menu in the application program. So the application pr ograms s howing o n t he menu bar are abl e t o be conducted or set.

④ **External GPS Antenna Port**

An external GPS antenna provided or approved by SysOnChip is able to be connected.

⑤ **Charging Status Indicator**
  - Red: An internal battery is charging.
  - Blue: An internal battery is fully charged.
  - Off: A power connector is disconnected.

⑥ **mini USB & Power Port**
  The device can be used as an external portable memory device by connecting with PC via the port. Also, it is able to be charged by an AC Adapter or Car Charger provided or approved by SysOnChip.

⑦ **Mounting Connector Port**
  The device can be connected with a cradle, and power is supplied from the cradle. Also, the device can receive data from RS232 serial port and Video-in port (optional) on the cradle.

⑧ **mini SD Card Slot**
  Be careful of the direction when it is inserted.

⑨ **Ear-phone Jack & TMC Antenna Port**
  It is able to enjoy the sound from the device via earphones while the device is using as a portable player.
 Also, an external TMC antenna provided or approved by SysOnChip is connected to the port to use the TMC (Traffic Messaging Channel) function. If you purchased or possessed the Looket N6 model supporting the TMC function, you will be able to access your own destination faster than before with up-to-date traffic information via the external TMC antenna.
  ※ Only Looket N670 is supporting the TMC function. Therefore, you are not able to use the TMC service with other models.

⑩ **Speaker**
  Enjoy sound from the device through the internal speaker.

◆ **Cradle**
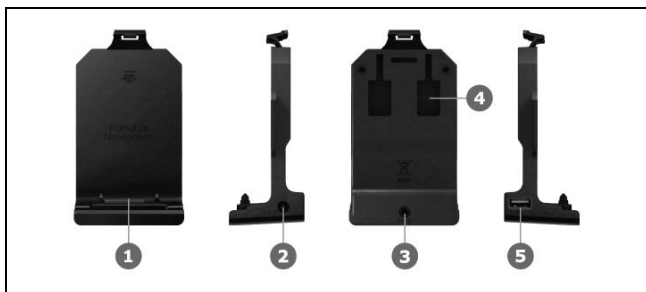
① Mounting Connector
N6 models are connected to the cradle and able to supply power as well as receive data from RS232 serial and AV-in (optional) through the connector.

② Power Port
A Car Charger or AC Home Charger provided or approved by SysOnChip is able to be connected to the port.

③ Video-in Port
If a rear camera or external device supporting Video output is connected to the N6 enabling this function through the port, you can enjoy the video on the screen.
※ The N630 & N670 are only able to support this function.
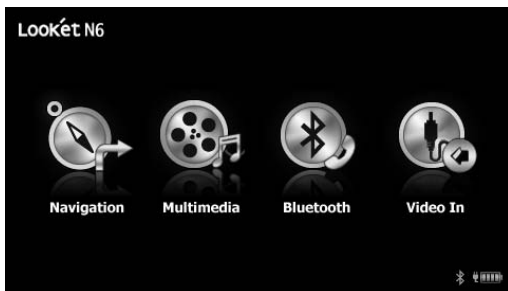
④ Mounting Hole
A mount provided or approved by SysOnChip is connected to the cradle.

⑤ RS232 Serial Port
An external device is able to be connected through this port.

4. Main Menu

After turning on th e Lo oket N 6 f or th e f irst time, N avigation, Multimedia, Bluetooth, Video-in can be sele cted (in case of th e Looket N630 and N670 models).

4.1.   NAVIGATION Menu

This Us er Guid e Manual w hich i s a q uite sim ple m anual to follow w ill ta ke y ou to u nderstand how it w orks. F or m ore detail information, please do wnload the ma nual on our web-site.

Also, you can co nsult Quick Guides on the setti ngs menu from the main menu of the navigation in the device.

To enter Quick Guides, please do as follow;

Touch screen → Ta p Setting on menu → Quick Guides

4.1.1.   First Launch

When you conduct NAVIGATION first time, you should be ask ed to set language, v oice, m ap, GP S s ignal et c. A ll i nformation you set will be saved in a SD card automatically after launch.

1. T ap NA VIGATION on t he Main m enu. A fter read ing the i mportant mes sage, click I AGREE.
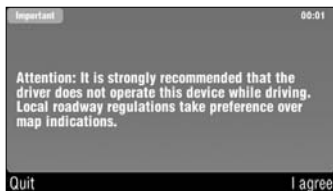
2. Sele ct y our lang uage, voice, dis tance unit s, keyboard pr eference and map.

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

4. You wo uld pr obably s ee y our c urrent v alid GPS po sition o n the map after successful launch.

5. I f y ou tap an ywhere o n the m ap area, the Mai n m enu of t he NAVIGATION is shown. On the bottom of the screen you can see useful information about your cu rrent position - street name with numbers.

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

After s uccessful l aunch, you would probably see your current valid GPS position on the map. If you see only grey screen after launch, y ou should pr obably check your GPS st atus f irst a nd wait for valid GPS signal.

It takes some time t o get valid signal from available satellites. First of all , tap on th e g rey screen to open th e Main m enu and find a GPS status button.

If a ' Closed GPS connection' message is di splayed, c heck if the GPS module is turned on.

Settings   GPS hardware   Turn GPS module off

4.1.2. Designation of Navigation Screen

Tap anywhere on the map area to open the Main menu

Zoom Out

Zoom In

Arrival time / Speed / Distance to finish / GPS signal

Next Turning Point*

Distance to next turning point*

Current position

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

If the navigation pane displaying Arrival Time, Speed, Current Position, etc. is tapped, the following context menu is appeared.

|	
	Show I mportant Places - t his o ption w ill s how y our 2 POI categories chosen close to your position.
	Avoid Roadblock - set the ci rcle on your map to avoid all street blocked within circle area.
	Memorize P osition - this o ption le ts you s ave a nd m emorize your actual po sition. P osition wi ll be au tomatically sa ved and you can find it any time later in History.

4.1.3. Useful Function on Main Menu
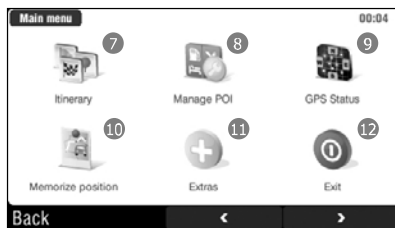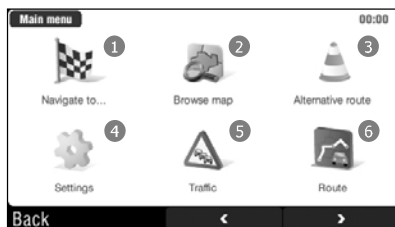
4.1.3.1. Navigation to

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.
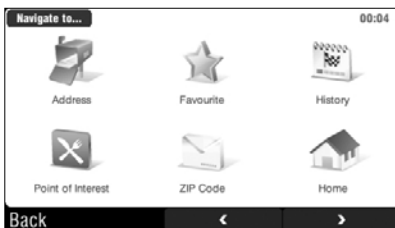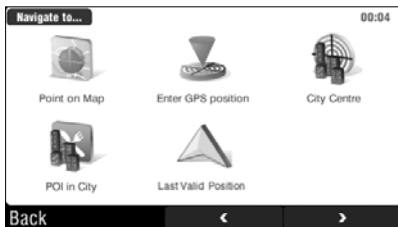
a) **Address** - standard way of navigating. You can choose in steps Country, City, Street and number.

b) **Favorite** - this function allows you to navigate to one of your favorite Points of Interest.

c) **History** - list of your memorized positions. Option to navigate to memorized his tory en tries or d elete t hese en tries i s available.

d) **Point of Interest** - nav igate to P oint o f Inte rest: res taurant, hotel, school, wine-room, etc.

e) **ZIP Code** - instead of name of the city, simply type in the zip code will find the exact address.

f) **Home** - navigate to Home location saved by you who can set up the home location in: Settings → Set home location.

g) **Point on Map** - choose your destination straight from the map.

h) **Enter GPS position** - navigate to exact GPS position entered as longitude and latitude coordinate.

i) **City Center** - navig ate to straight the ce nter of the cho sen city. You will be asked to look up the city within the country.

j) **POI in Ci ty** - ins tead of navi gating t o addr ess, y ou can simply select POI of the chosen city and Sygic will find it for you.

k) **Last Valid Position** - navigate to last GPS position received last time GPS signal was available.

In this guide, we'll s how you how to use the Navi gation 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. Sel ect 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.)
4. As soon as the route is ca lculated, basic information on y our route i s shown. A sk fo r m ore i nto d eep ro ute description b y pressing **Details**.
5. Select active item you want to avoid on route. If you click on item, your route will be recalculated without these items.

※ **Management of Favorites**

There are t wo ways how to add t he 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 m ap. Or tap Options - Find - A ddress and then y ou ca n enter the exact address (or other options available).
   ② Click the Co ntext m enu b utton in t he m iddle of the b ottom black title bar wher e you have several option (navigate there, travel via, etc.).
   ③ Select Add as POI , then tap Favorites.

2) Manage POI on Main Menu
   ① Clic k Add POI.
   ② Choose Address (or other) to insert the place to Favorites.
   ③ Tap Favorites on 'Select or create a category' menu.

4.1.3.2. Browse map

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

Zoom In/Out using zoom bar

Map scale

Tap this button to open the Map options

Tap this button to open the Context menu

< Options >

	a) **Find...** - allows you to quickly look up the desired destination. You can choose from the following options: Address, Favorite, History, Point of Interest, Zip Code, Home, Enter GPS position, City Center, POI in City, Last Valid Position.
	b) **Show current position** - will show your current position on the map. It may be useful if you get lost on the map while browsing it.
	c) **Show entire route** - will display the entire route regardless of its size or location on the map. This function is available only if there is already a route calculated.
	d) **Show city** - a selected city will be displayed on the map.
	e) **Show/Hide POIs** - you can select the POIs that you want/don't want to see on the map.

< Context Menu >

![icon]	a) **Navigate there** - Offers 3 possibilities; wait for valid signal, last valid position, select from map.
![icon]	b) **Travel via** - you can choose the destination through which you want to travel. This function is available only if you have already computed route.
![icon]	c) **Continue** - information about the route, possibility to modify the route.
![icon]	d) **Avoid** - allows you to define the area on the map that you want to avoid.
![icon]	e) **Add as POI** - allows you to add the selected position on the map as POI.
![icon]	f) **Find nearby POI** - this function will display the selected POIs that are located nearby your position.

4.1.3.3. Alternative route

It is easy to handle and offers several options how to change your complete route plan within a few seconds.

![icon]	a) **Compute alternative** - will recompute the route using routes different from those used for the original compute.
![icon]	b) **Avoid next..** - set the circle on your map to avoid all street blocked within circle area.
![icon]	c) **Travel via...** - allows you to add the waypoints into the computed route.
![icon]	d) **Reset to original** - you will return to the original route. Alternative routes will be cancelled.
![icon]	e) **Avoid traffic delays** - allows you to avoid traffic jam or other incidents that may occurs, you can avoid part of the originally computed route (from 500 m to 20km).

4.1.3.4.   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 - you can record your GPS position and play back it.
- Advanced settings - U- Turns, Auto zoom, Railway crossing warning, La ne inform ation, Backlight settings, St andby m ode, An tialias, Information displ ayed in t he navigation window, Speed limit warning.
- Planning preferences - select the way of route compute (the fastest route o r t he route w ithout motorways).
- Toll charge settings
- Set vehicle type
- GPS hardware
- Signpost s ettings - s ee a ll di rections, p referred directi on or disable signpost information.
- Rotate display
- Left / Right handed
- Keyboard settings
- Regional settings - distance unit setting, preferred time format and geographical coordinates.
- Set language
- Set voice
- Switch map - select your map folder.
- Set home location
- Backlight settings
- Quick guides

4.1.3.5. Traffic

The only Looket N670 is supporting this function. These options are available; S witch Of f/On T MC Warnings, Op timize R oute, T MC Options, Show All Incidents on Map, Update Now Current Traffic.

4.1.3.6. Route

You have to f irst plan your route to g et access to route op tions. If you hav en't pla nned y our rou te, the rout e but ton is n't av ailable. Here you can find all the f urther information about your route, you can view the wh ole route in ima ge slides or even watch the route preview by using the route demonstration option.

📋	a) **Show route instru ctions** - show s y ou t he mos t important tur ning p oints (w hether to turn lef t or rig ht) on your route and distance between them.
📑	b) **Show ro ute as image** - w ill d isplay t he ro ute a s images.
📊	c) **Show r oute summary** - inf ormation ab out th e route, possibility to modify the route.
🎬	d) **Show ro ute demo** - enable s the demon stration o f the computed route.
🗺	e) **Show on m ap** - the co mputed r oute will be displayed on the map.
🚫	f) **Cancel route** - the route will be cancelled.

4.1.3.7. Itinerary

It allows you to plan your business journey, trip and many more directly f rom the comf ort of y our livi ng r oom. Your p lanned r oute can be saved, renamed, deleted.
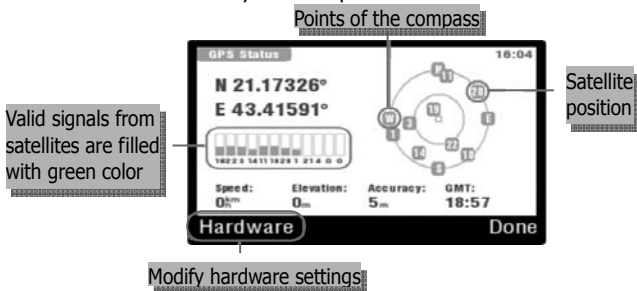
4.1.3.8. Manage POI (Point of Interest)

Various POIs are shown on t he map such as air ports, b anks, b us stations, hot els, park ing gar ages, s hopping c enters, et c. Y ou c an easily manage them and add y our own POIs o r ther e is also a function which warns you when you'll be crossing the nearby POI.

	a) **Add POI** - you can add POI and assign the icon.
	b) **Edit POI name** - you can rename the POI that you created.
	c) **Delete P OI** - y ou ca n dele te th e POI t hat y ou created.
	d) **Delete POI category** - y ou can delete t he whole category that you created.
	e) **Show / Hid e POIs** - se lect the POI w hich s hould be displayed on the map.
	f) **Warn when near POI** - se lect t he POI, enter the distance f rom y our po sition, c hoose t he w arning signal.

4.1.3.9. GPS status

Check 'valid satellites' or 'your valid position'.

Points of the compass

N 21.17326°
E 43.41591°

Satellite position

Valid signals from satellites are filled with green color

Speed: 0 km/h   Elevation: 0 m   Accuracy: 5 m   GMT: 18:57

Hardware   Done

Modify hardware settings

4.1.3.10. Memorize position

Save your current position into History.

4.1.3.11. Extras

Some ad ditional ap plications (W orld Clo ck, Calcu lator, Un it Convertor, Country Information) that might be useful on the road.

	a) **World Clock** - set up the cu rrent tim e in three world cities. Choose from more than 30 world cities.
	b) **Calculator** - sim ply t o us e calc ulator av ailable directly.
	c) **Unit Conv erter** - Curren cy, Leng th, Area, Volume, Mass, Pressure, Power, Energy, Temperature
	e) **Country In formation** - speed lim it, country code, currency, etc . Whe n cross ing t he c ountry border a windo w with bas ic country in formational automatically pops up.

4.1.3.12. Exit

Tap the button if you want to close down Navigation.

4.1.4. How to set Home Location

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

2. After 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 se t y our home loca tion when y ou click Home on Navigation to menu.

4.1.5. 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.)
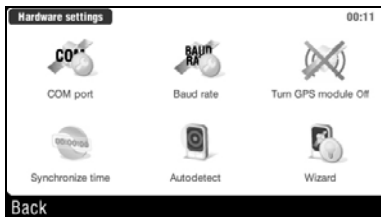
3. Tap 'Autodetect' to search COM port and baud rate automatically
   and t hen w ait to f ix it . Or s et f ollowing C OM po rt and def ault
   baud rate by yourself after tap COM port and Baud rate.
      COM port: COM3   /   Baud rate: 9600

4.1.6. How to set TMC

The Looket N670 c onnected with an ext ernal T MC ant enna is only
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 GNS and set following COM port and baud rate.
      COM port: COM2   /   Baud rate: 38400

4.1.7. Menu Bar on Navigation Screen

If a 'M ' (menu) button on t he right si de of the device is press ed during runn ing t he naviga tion, t he Men u bar is come up on th e right s ide of th e scree n. T here are ind icators of the B luetooth, battery status and 4 icons in case of the Looket N630 & N670.
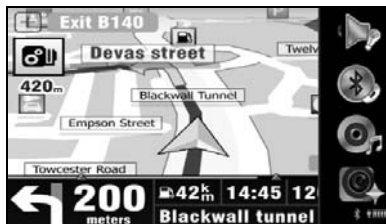
- Volume & Backlight

- Bluetooth Hands-free

- Music Player

- Video-in

4.1.7.1. Volume & Backlight

It is ab le to control t he volume and b acklight lev el by moving the slide bar.
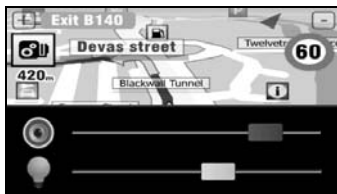
4.1.7.2. Bluetooth Hands-free Button

If it is clicked, the Bluetooth hands-free pr ogram is conducted. Wh en it is available, t he bac kground color of the icon is blue. And if t he bac kground c olor is white, it m eans the Bluetooth is disabled to use.

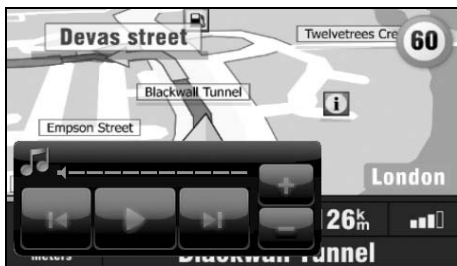### 4.1.7.3. BGM (Back Ground Music) Player

The user is able to listen to music with the navigation.

The B GM p rogram p lays the m usic in the ' **Music**' f older of th e inserted microSD car d or internal memory in or der of p recedence. Music f iles which users w ould like to p lay in the B GM program can be ad ded to the Mu sic f older of t he m icroSD card or in ternal memory.

Icon	Description
⏮	Play previous music
▶ ■	Play or Stop music
⏭	Play next music
+	Volume up
−	Volume down

4.1.7.4. Video-in Button

When t his but ton i s s elected, the v ideo s ignal f rom t he V ideo-in 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 pr ogram i s ended when t ouched the scr een, and then th e Navigation screen comes up.

In case that the external Video 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 vide o signal is occu rred. As s oon as the signal i s disconnected and the camera view is closed, the Navigation screen is displayed. (The function will be useful in ca se of co nnecting the rear camera signal with the reverse gear.)

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

[View from Rear Camera]

4.2.   MULTIMEDIA Menu

The Lo oket N6 models have a Multimedia Player. V arious v ideo,
audio, image files saved in a SD card will be able to be displayed.

- ※ Best resolution: 480 x 272 pixels
- ※ Supporting codec: mpeg, mpg, asf, wmv, avi, jpg
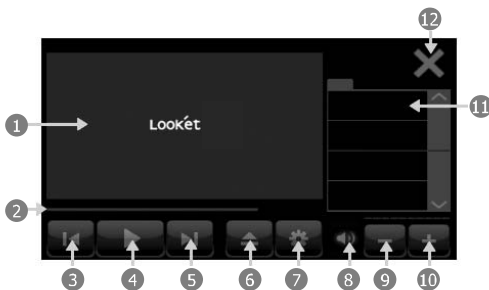
① Screen
   - If the screen part is clicked, it is changed to the full screen.
② Status Bar
   - The playing part is able to be selected by moving the bar.
③ Previous Button: Play the prior file.
④ Play / Pause Button
   - Play or stop playing and ready to continue the current file.
⑤ Next Button: Play 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 V olume Down Button
⑩ V olume Up Button
⑪ Play List
⑫ Exit: Close the program.

◆ Edit Window of File List

This is the ed it window to m ake the f ile l ist which can b e played such as music, video, images.
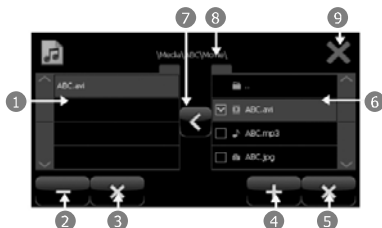
① Showing the edited file list
② Delete the selected file on the file list
③ Delete all files on the file list
④ Select all file in the chosen folder of SD card
⑤ Cancel the selection of the file in the chosen folder of SD card
⑥ Display the file able to be playing in SD card
⑦ Add the checked file to the file list
⑧ Show the path of the selected folder
⑨ Close the file list editing window

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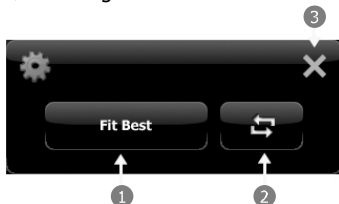
① Scree n size setting
  - Fit Best
  - Fill Screen
  - Stretch to Screen
② Play mode
  - Repeat All ( )
  - Random ( )
③ Exit

4.3. Bluetooth Menu

The Looket N6 with Bluetooth function can be connected with other Bluetooth devices to experience wireless conveniences brought by Bluetooth technology.

The Hands-free Profile (HFP), Serial Port Profile (SSP), Audio Advanced Distribute Profile (A2DP) and Audio Video Remote Control Profile (AVRCP) are strongly supported.

4.3.1. Before you start

◆ Make sure your phone, stereo head sets, or other Bluetooth devices you want to connect with is powered on.

◆ The approximate communication range for Bluetooth® wireless technology is up to 30 feet (10 meters).

◆ The Looket N6 is based on the Bluetooth® specification, but it is not 100% guaranteed to work with all phones in the markets, so some function buttons will be disable for use if your phone fails to be supported.

1) A message box "The Bluetooth device is not licensed. This application will run on evaluation mode with limited functionality" will pop up to inform user that it is evaluation copy and is not authorized.
2) The duration for an ongoing call is only three minutes. The call will be automatically hung up when the ongoing call is over three minutes.
3) The file can be transferred is 5M at max.
4) The A2DP connection only can be kept five minutes at max.

4.3.2. Getting Started

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

No	Name
1	Mute On/Off
2	Volume Controller
3	Dial Pad - Tap & hold '*' to insert the T character.
	- Tap & hold '0' to insert the + character.
	- Tap & hold '#' to insert the P character.
4	Status Indicator
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.

◆ **Bluetooth connection**

Bluetooth connection has to exist between device and mobile phone or other B luetooth-enabled devices such as laptop, desktop before getting start to use any profiles and features.

When the icon of the Setup in the Bluetooth window is clicked, the Bluetooth Se tting is appear ed. Please ref er to Chapter 4 .5.2. Bluetooth to understand how to make the Bluetooth connection.

4.3.3.   Hands-free Calling

4.3.3.1.   Making a Call

Type the phone number and then press the Call button.
※ Tapping '*' over 1 second to input '+'.

4.3.3.2. Receiving Calls

When a call comes in after your mobile phone was connected with the Looket N6 via Bluetooth, the following window comes up and a bell rings. To answer the call, the Call button should be clicked. But, if you are under the situation not to be able to 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 end the call or adjust the volume, 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, Video-in etc. is muted for the better conversation on the phone.

4.4.   Video-in Menu

The Video-in menu is to play video from an external Video input. If a dev ice supporting Video output s uch as iPOD Vi deo etc . is connected to the cradle of the Looket N6 (excepting the N600), the user can enjoy the video on the screen but without sound.

If a user's v ehicle has t he r ear camer a whic h is conne cted to a Video-in port o n the cr adle o f th e Looket N6, th e image f rom th e rear camera is displayed on the screen.

If there is no input signal from outside when Video-in is executed, the screen w ith 'No Si gnal' mes sage is di splayed. I n t his case, please check the V ideo input cabl e o r the devic e hand ling Video output.

4.5. SETTING Menu
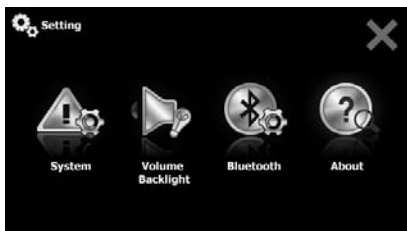
4.5.1. System

1) OS version Information of Looket N6
2) Intrinsic ID Information of SD card
3) Language Selection
4) Re-Calibration
5) Auto Rear Camera Option On/Off

   In case of th e v ehicle with the r ear camer a, the scr een automatically displays the camera image when the signal like the change to the reverse gear is inputted to Video-in.

4.5.2. Volume & Backlight

It is ab le to con trol the v olume and b acklight lev el by moving t he slide bar.

4.5.3. Bluetooth

It is able to enable or disable to use the Bluetooth function and set the connection to the mob ile phone w ith a built-in Bluetoo th function and other wireless devices for exchanging data through the Bluetooth wireless feature.

Icon	Description
	Bluetooth f unction On (blue) / Of f (grey).
	Search Bluetooth devices.
RESET	Reset the connection history.
	Connected devices. (Mobile Pho ne / Headset / Serial Device)
Omina 00:11:22:33:44:55	Information of connected device.
	Connect / Di sconnect the pai red device.
	Delete the connected device.
	Exit button.

◆ **How to search & connect Bluetooth devices**

1) Click to enable a Bluetooth function.

2) Click to search pages.

3) Click to search Bluetooth devices.

4) Listed the devices that can be connected.

5) Select one i con among Mob ile Phone, Headset, Ser ial icons to make the Bluetooth connection (pairing with the selected device).

6) I nput '0000' (4 z ero) at t he pai red devi ce i f t he pi n c ode i s needed during the process.

7) If it is c onnected, the information of the paired device is listed on the Bluetooth setting screen.

8) Click to connect the service.

9) The icon is changed if its service is enabled to use.

◈ Please r efer to the ma nual of the mob ile ph one about how to connect the p hone w ith the B luetooth f unction f or m ore detail information.

◈ Generally, the mo bile phone s upporting the B luetooth Hands-free profile can be connected to the Loo ket N6. But, some part icular mo bile pho nes ar e not abl e t o be compatible with the device.

5. Extra Function

5.1. USB Connection

When a mini -USB cable is connected to a device, a left screen is appeared. During the connection, the device is recognized as a portable storage device in a PC, but other functions are not working.

As soon as being disconnected, the device is re-booting and reset to the Main screen.

In PC, the device is shown as following portable storage devices;
- Portable disk 1: the internal flash memory of the device
- Portable disk 2: saved logging files in the tracking device
- Portable disk 3: microSD card if it is inserted

※ Notice:
- To protect data, do not execute Navigation or Multimedia Player before connecting the USB cable.
- Each disk name can be changed depending on the system.
- When disconnecting the USB connection, recommend turning off the device and remove the cable to protect the PC.
- Disconnect the device from the cradle before connecting the USB cable between the device and PC.

5.2. Not Installed Software

This m essage is d isplayed w hen the nav igation sof tware i s n ot installed in the internal flash memory or the microSD card.

Please co ntact authorized d istributors in y our coun try if t he message has never disappeared.

5.3. Sleep Function

To operate power efficiently, the device is converted to the sleep (suspended or power saving) mode in case of following situation.
- When the Menu button is pushing over 2 seconds…
- When disconnected the external power…
- When the Smart Power-off mode is conducted…
- Efficient power management and such.

The device is waked up from the sleep mode;
- As soon as the Menu button is clicked.
- When the external power is connected.

5.4. Smart Power-off Function

A following screen is appeared when power is not supplying.
If there is not any input on the screen for 5 seconds, the device goes to the sleep mode.
In case of tapping a Cancel button, the Smart Power-off function is closed.

5.5.   Lower Battery Warning

When the b attery le ver i s low, a f ollowing wa rning m essage is shown.

As soon as it is appear ed, please con nect the cha rger such as the car cigarette charger or the AC home charger to charge the device. Then, the device will be able to be working again.

In case of not supplying power, the device goes to the sleep mode a few second later from the warning message.

To run the devi ce norma lly, w e recomme nd to use t he AC h ome charger at all times.

6. Trouble Shooting

Trouble	Solution
The device is frozen or locked up.	Please reset the device by the Power On/Off switch on the bottom side of the device.
Power does not turn on when using battery power.	The remaining battery power may be too low to run the device. Connect an AC adapter (or a car charger) to the device and external AC power.
	Check the Power On/Off switch on the bottom side.
Something wrong in the LCD screen.	If it's dark, this can be from excessive temperature. (Oper. temp.: -10 ~ +60 ℃)
	If it's hard to read, please check the back light level.
	If the screen freezes, please reset the device.
GPS signal is not good.	Make sure that the GPS receiver is adjusted to the horizontal position and it has a clear view of the sky.
	GPS reception can be affected by below circumstance. - Bad weather - Dense overhead obstacles (e.g. trees and tall buildings) - Other wireless device in the car - Metallic windshield coating Looket optional external antenna will boost the performance.

If you have some problems using Looket N6, which you are not able to solve them by yourself, we are always welcome to contact us.

7. Warranty

※ Limited Warranty

SysOnChip, Inc. warrants Looket N6 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 N6 is a portable dev ice, therefore the free warranty cannot apply to LCD when it damaged from misusing or abuse.

※ Power supplies and cables

Any damages f rom us ing po wer s upplies o r c ables whi ch ar e not provided o r o fficially appr oved by t he manuf acturer c annot be included in the warranty and are not responsible for SysOnChip.

※ Looket Service Center

If t he devi ce is found to be def ective, pl ease r ead t he w arranty term firstly and contact retailers or us to be repaired or replaced.
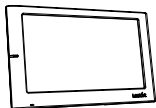
E-mail, call or fax to the f ollowing service center for help with your Looket device.

- E-mail: sales@sysonchip.co.kr
- Phone: +82-42-864-4665
- Fax: +82-42-864-4664
- Service hours: 9:00 to 18:00 (GMT+9:00)
                Monday to Friday
- Location:
  4th floor, Singwan Building, KT Bukdaejeon Br.,
  138 Gajeong-dong, Yuseng-gu, Daejeon,
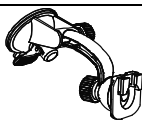 305-350, The Rep. of Korea (South Korea)
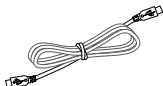
8. Package & Accessory

◆ Basic Unit Package

Looket N6	Cradle	Car Mount
Car Charger	USB Cable	User Guide Manual

◆ Optional Accessory
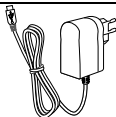
Video-in Cable	AC Adapter	External GPS Antenna

* Package contents might vary depending on countries without notice.

Powered by Windows® Embedded SiRF A CSR plc Company $C\epsilon$ 2200 FC THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES

* Specification and features are subjected to be changed without notice.

This equipment has been tested and found to comply with the limits for a Class A 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

ΣＯＣ SysOnChip
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