Portable GPS Navigation

Looket T5

User Guide Manual

ΣΟΓ SysOnChip

(ver2.2)

Thank you for choosing and purchasing the Looket T5 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.

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(b) For a Class B digital device or pe-ripheral, the instructions furnished the user shall include the following or similar statement, placed in a promi-nent location in the text of the man-ual: 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. These limits are designed to pro-vide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radi-ate radio frequency energy and, if not in-stalled and used in accordance with the in-structions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equip-ment 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 fol-lowing measures: —Reorient or relocate the receiving antenna. —Increase the separation between the equip-ment and receiver. —Connect the equipment into an outlet on a circuit different from that to which the re-ceiver is connected. —Consult the dealer or an experienced radio/ TV technician for help.

The users manual or instruction manual for an intentional or uninten-tional radiator shall caution the user that changes or modifications not ex-pressly approved by the party respon-sible for compliance could void the user's authority to operate the equip-ment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information re-quired by this section may be included in the manual in that alternative form, provided the user can reasonably be ex-pected to have the capability to access information in that form.

- NOTICE & WARNING -

Reset - To reset a Looket T5, please turn off and on a switch
at the bottom 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.
- Device is designed and approved for vehicle windshield
  installation, hand-held only and body-worn use with the
  supplied belt-clip and headset to meet FCC RF exposure
  compliance requirements, other operating configuration are
  not approved.

GPS (Global Positioning System)
- If taking long time to get GPS signal and find current
  location, place it 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.
  _Important__: Some vehicles with a coated or heat reflective
  windshield may require on an external GPS antenna (not
  included)._

- Fix initial GPS with a full charged battery. It will take longer than before with a low battery.
- The Looket device is supporting a SiRFInstantFixII technology, so it is able to receive signal more quickly from GPS satellites and indicate a current location on the map without waiting for long time.
- If there is no saved GPS satellites information or the saved information is not enough, the SiRFInstantFixII function would not be working normally. Also when receiving GPS signal at first, the location error can be happened depending on operating circumstances. Moreover, in case of not using the device for over 3 days, the SiRFInstantFixII function would not be operated.

※ SiRFInstantFixII technology

It can reduce warm starts, the typical PND start-up mode, from over half a minute to as little as five seconds, and in urban canyons the difference can be even more significant. It does this while demonstrating excellent positional accuracy, an important attribute for navigation devices. It accomplishes this using sophisticated, patent-pending algorithms that enable the PND to model the behavior of visible GPS satellites during the day and predict their position in the sky for up to three days in the future. It continuously refines its calculations based on the latest data it receives from the satellites being tracked every time the PND is used. It performs these calculations completely autonomously, without ever needing updates of any kind from a network.

Battery and Chargers
- Use only batteries and chargers included in the package provided or officially approved by the manufacturer.
- Rick of explosion if batteries are replaced by an incorrect type.
- Unauthorized batteries or chargers may harm the device and any accidents or damages. This will not responsible for the manufacturer.
- Dispose of used batteries according to the instructions.
- Never dispose of batteries or devices in a fire or heating devices such as ovens or stoves.
- Never crush or puncture the battery or device. Avoid exposing them to high external 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.
- Connect the charger during operation. Low battery may deteriorate GPS performance.

SIM Card and Memory Card
- Do not remove the card while the device is transferring or accessing information, as it could result in loss of data and/or damage to the card of device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Frequent writing and erasing will shorten the life span of 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 T5 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 T5 is designed to make or answer a call like a phone after mounted in a car.
- In case of using the unit as a portable device, we do not recommend to use the telephone 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.
- A belt-clip provided and/or approved by SysOnChip, Inc. is for body-worn use and that there should be no other distance to maintain other than using the device with the supplied belt-clip as specified to satisfy body-worn RF exposure compliance.

- 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.

1. Looket T5 Models

Models Features	T500	T530
Navigation	O	O
GSM/GPRS Support	O	O
Multimedia Player	O	O
FM Transmitter	X	O
AV-in	X	O

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

2. Before Starting Looket

◆ **How to insert SIM card**

	1) Switch off before inserting SIM card.
	2) Turn on a screw to open a cover.
	3) Insert a SIM card and tighten up the screw.

◆ **How to insert micro SD card**

- Turn off before insert a microSD card.

- Insert the microSD card like a following picture.

- Be careful of the direction when inserting the card.

- Do not remove the card while the device is powered on, doing so may result in the device malfunction. We recommend to turn off the device before removing the card.

◆ **How to install Windshield Mount**
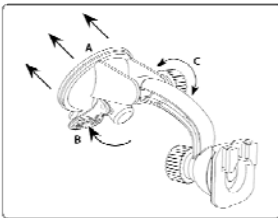
1. Push the suction base (A) against the windshield.

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

3. Adjust the angle of the pedestal arm by tightening the angle adjustment knob (C) at the base to the desired angle.
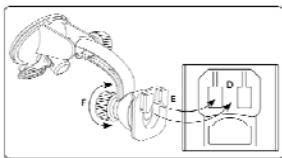
4. Connect the cradle (D) on the dual T-tabs (E) on the pedestal head.

5. Adjust the angle and rotation of the head by tightening the head adjustment knob (F).
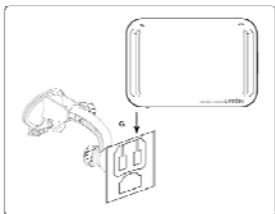
6. Slide down the device on the cradle from top to bottom.

7. Connect them with a snap.

◈ How to install into Belt-clip
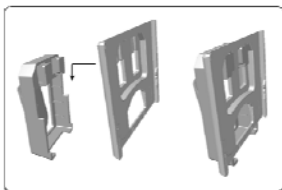
1. Connect the cradle on the dual T-tabs of the belt-clip.

2. Slide up the belt-clip with the cradle on the back side of the device from bottom to top.

3. Connect them with a snap.

◆ **Quick Guide of GSM/GPRS function**

Precisely read following instructions before using GSM/GPRS function.

1) After turned off the device, insert a SIM card.
   ※ *If the SIM card is inserted or taken out when the device is turned on, it could result in damage to the card.*

2) The cover of the SIM card slot should be closed tightly by using a screwdriver. If not fit into the slot, may be recognized as no SIM card. So check below indication icons at the right bottom of the screen to understand status.

Icon	Description
📷	No SIM card
🔌	Disconnection of network service
📶	Signal strength

   ※ *If the SIM card is not inserted or the slot is open, the GSM module power is cut.*

3) If the slot is open while the device is working, the following picture is displayed and the device is not operated.

   On this occasion, re-insert the SIM card precisely and close the slot cover correctly.
   Then supply power into the device.

4) To send text messages, the setting of SMSC (Short Message Service Center) should be checked on the menu; Setting → Phone.

Confirm if SMSC value in the item () is same with the service provider.

If incorrect, select Edit button to set exact value. Then, the messages can be sent.

5) Set APN to browse the web on Setting → Internet menu. To use Internet, enter correct information from the service provider.
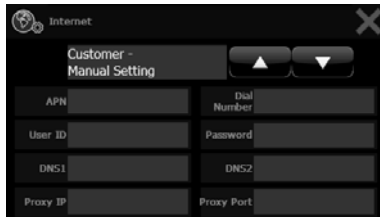
6) To use Tracking function, it should be enabled on Setting → Tracking menu. As soon as it is available, the icon () is indicated.
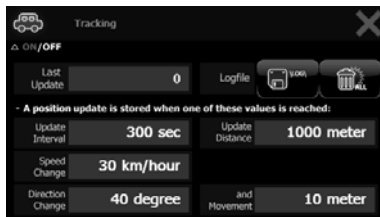
3. Designation

① **LED Indicator**
   - Red: An internal battery is charging.
   - Blue: An internal battery is fully charged.
   - Off: A power connector is disconnected.
   - Blinking: GMS/GPRS is connected.

② **Touch Screen**
   In the battery mode without connecting any chargers, the touch screen is locked if not operating over 1 minute excepting running the navigation, multimedia player as well as AV-in.
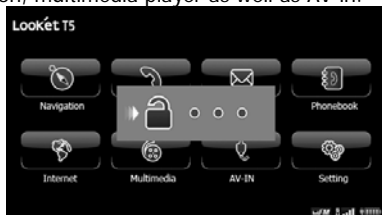
   In case of the locked mode, the device is suspended (on the sleep mode) if any touch is not occurred over 1 minute.
   To unlock, please press the lock icon for 3 seconds and over.

③ **Microphone**

When the user makes or answers a call through GSM/GPRS function, he can speak into a microphone.

※ *If talking on the microphone to the ear, the other cannot hear your conversation because the speaker is on the opposite.*

④ **Menu (SOS) Button / Sleep & Wake-up Button**

A menu bar is come out when this button is pushed at the contents supporting the menu in the application program. So the application programs showing on the menu bar are able to be conducted or set. Also, a SOS alert message is sent to a predefined phone number as soon as clicked a Emergency SOS button on the menu bar.

If it is pressed for 2 seconds and over, the device is suspended (on the sleep mode). And it is waked-up when the button is taped shortly.

⑤ **External GPS Antenna Port**

An external GPS antenna can be connected for better GPS performance.

⑥ **Power On/Off Switch**

This switch controls main power of the Looket T5. If the switch is off, the device is turned off, and when the switch is on, the hardware of the device is reset. At this time, saved settings etc. will be deleted.

The switch can be used for the hardware reset of the device and to save the power for long time in case of being used as a portable memory device without the external power

⑦ **SIM Card Slot**

This slot is to insert a SIM card.

⑧ USB & Power Port
The device is able to be charged by an AC Adapter or Car Charger provided or approved by SysOnChip, Inc. through the port. Also, the unit can be used as an external portable memory device by connecting with PC via the port.

⑨ Ear Set Jack
An ear set provided or approved by SysOnChip, Inc. is able to be connected to the port for phone communication.

⑩ AV-in Port
If the rear camera of the vehicle or the external device supporting AV output such as iPOD Video etc. is connected to the Looket T5 enabling this function through the port, users can enjoy the video on the screen.
※ *The Looket T500 is not able to support this function.*

⑪ Serial Port
The external device supporting communication by a serial cable is connected to the Looket T5.

⑫ microSD Card Slot
This slot is to insert a microSD card.

⑬ Speaker
Do not put the speaker to the ear. The GPS navigation device using in the vehicle has high volumes, so it can damage your hearing.
※ *If talking with the speaker to the ear, the other cannot hear your conversation because the microphone is on the opposite.*

4. Main Menu

After turning on the Looket T5 for the first time, a following screen is appeared in case of the Looket T530 model.
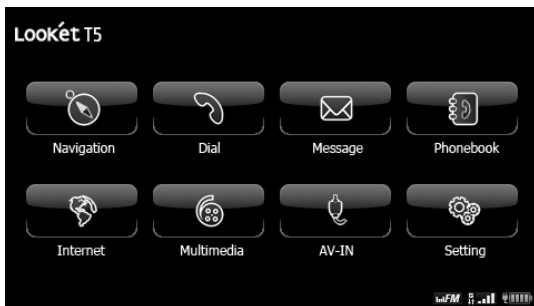
4.1. NAVIGATION Menu

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

4.1.1. 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.
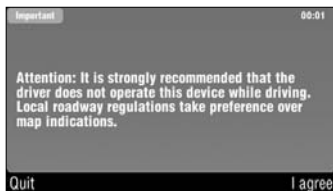
2. Select your language, voice, distance units, keyboard preference and map.

3. After choosing 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 shown. 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 countries 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 a GPS status button.

If a 'Closed GPS connection' message is displayed, check 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

Lomonosovova

Next Turning Point*

Arrival time / Speed / Distance to finish / GPS signal

Bratislava

700 meters

10:10   37 km/h   1.9 km/h

Dostojevskeho Rad 3/?

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 Important Places - this option will show your 2 POI categories chosen close to your position.
	Avoid Roadblock - set the circle on your map to avoid all street blocked within circle area.
	Memorize Position - this option lets you save and memorize your actual position. Position will be automatically saved and you can find it any time later in History.

4.1.3. Useful Function on Main Menu
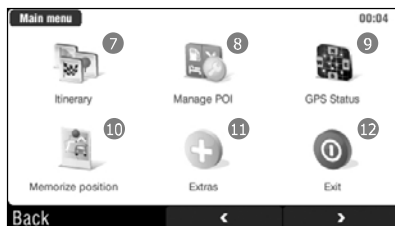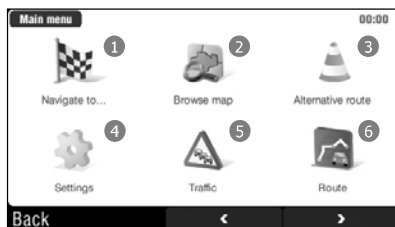
4.1.3.1. Navigation to

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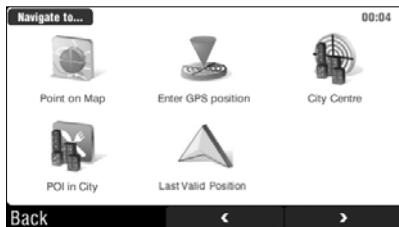
a) **Address** - standard way of navigating. You can choose in steps Country, City, Street and number.

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 history entries or delete these entries is available.

d) **Point of Interest** - navigate to Point of Interest: restaurant, 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** - navigate to straight the center of the chosen city. You will be asked to look up the city within the country.

j) **POI in City** - instead of navigating to address, you 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 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.)
4. As soon as the route is calculated, basic information on your route is shown. Ask for more into deep route description by 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 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.

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 >

	a) **Navigate there** - Offers 3 possibilities; wait for valid signal, last valid position, select from map.
	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.
	c) **Continue** - information about the route, possibility to modify the route.
	d) **Avoid** - allows you to define the area on the map that you want to avoid.
	e) **Add as POI** - allows you to add the selected position on the map as POI.
	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.

	a) **Compute alternative** - will recompute the route using routes different from those used for the original compute.
	b) **Avoid next..**. - set the circle on your map to avoid all street blocked within circle area.
	c) **Travel via...** - allows you to add the waypoints into the computed route.
	d) **Reset to original** - you will return to the original route. Alternative routes will be cancelled.
	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 500m 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, Lane information, Backlight settings, Standby mode, Antialias, Information displayed in the navigation window, Speed limit warning.
- Planning preferences - select the way of route compute (the fastest route or the route without motorways).
- Toll charge settings
- Set vehicle type
- GPS hardware
- Signpost settings - see all directions, preferred direction 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 Looket T5 models are not supporting this function because the devices do not have a TMC receiver.

4.1.3.6. Route

You have to first plan 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.

	a) **Show route instructions** - shows you the most important turning points (whether to turn left or right) on your route and distance between them.
	b) **Show route as image** - will display the route as images.
	c) **Show route summary** - information about the route, possibility to modify the route.
	d) **Show route demo** - enables the demonstration of the computed route.
	e) **Show on map** - the computed route 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 from the comfort of your living room. Your planned route can be saved, renamed, deleted.

4.1.3.8.   Manage POI (Point of Interest)

Various POIs are shown on the map such as airports, banks, bus stations, hotels, parking garages, shopping centers, etc. 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.

	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 POI** - you can delete the POI that you created.
	d) **Delete POI category** - you can delete the whole category that you created.
	e) **Show / Hide POIs** - select the POI which should be displayed on the map.
	f) **Warn when near POI** - select the POI, enter the distance from your position, choose the warning signal.

4.1.3.9.   GPS status

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

Points of the compass

Satellite position

Valid signals from satellites are filled with green color

Modify hardware settings
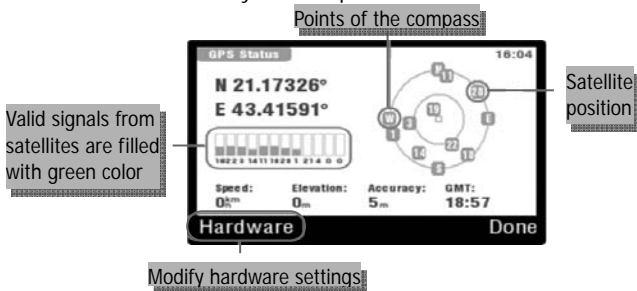
4.1.3.10. Memorize position

Save your current position into History.

4.1.3.11. Extras

Some additional applications (World Clock, Calculator, Unit Convertor, Country Information) that might be useful on the road.

	a) **World Clock** - set up the current time in three world cities. Choose from more than 30 world cities.
	b) **Calculator** - simply to use calculator available directly.
	c) **Unit Converter** - Currency, Length, Area, Volume, Mass, Pressure, Power, Energy, Temperature
	e) **Country Information** - speed limit, country code, currency, etc. When crossing the country border a window with basic country informational 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 set your home location when you 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.)
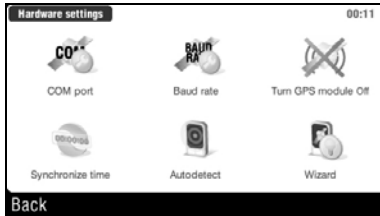
3. Tap 'Autodetect' to search COM port and baud rate automatically
   and then wait to fix it. Or set following COM port and default
   baud rate by your self after tap COM port and Baud rate.
   COM port: COM3   /   Baud rate: 9600

4.1.6. 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 indicators of the battery
status and 5 icons on the menu bar in case of the Looket T530.

- Volume / Backlight

- Dial

- BGM Plyaer

- Camera

- Emergency SMS

4.1.6.1. Volume & Backlight / FM Transmitter Setting

The user is able to control the volume and backlight level.
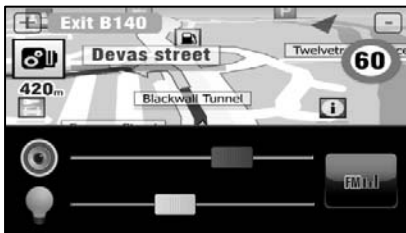
Also, when tapped the FM transmitter icon, the following screen is displayed to set the FM transmitter function.

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.
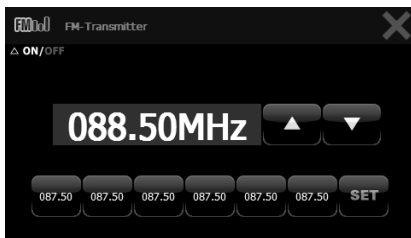
※ *The Car Charger, AC Home Charger or mini-USB Cable of the Looket device is acted the part of the FM antenna. So it should be connected with the charger or cable to use the FM Transmitter function.*

4.1.6.2. Dial Button

If this button is clicked, you can make a call on this device.
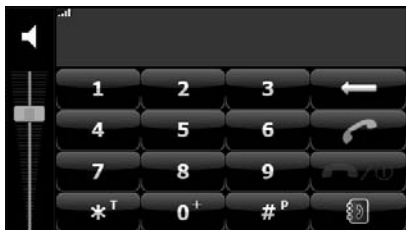
4.1.6.3. BGM (Back Ground Music) Player

The user is able to listen to music with the navigation.
The BGM program plays the music in the **'Music'** folder of the inserted microSD card or internal memory in order of precedence. Music files which users would like to play in the BGM program can be added to the Music folder of the microSD card or internal memory.

Previous | Play & Stop | Next | Volume Down | Volume Up
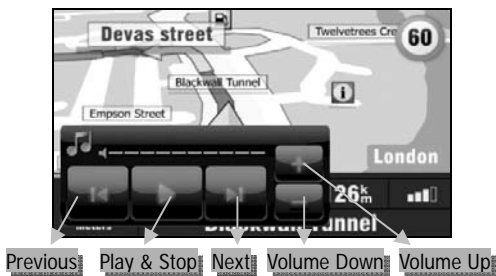
4.1.6.4. Camera Button

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]

4.1.6.5. Emergency SMS Button

Please refer to *Chapter 4.9. Emergency SMS*.

4.2.   DIAL Menu

No	Name
1	Status Indicator
2	Volume Controller
3	Dials (when clicked '0' for over 1 second, '+' is displayed.)
4	Delete
5	Call (when tapped a phone number)
	Call History (without inserting a phone number)
	Last Call (when pushed a dial button for over 1 second)
6	End / Exit
7	T
8	+: click '0' for over 1 second to make an international call
9	P:
10	Phone Book

4.2.1.   How to receive a call

If someone calls to your device, 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.
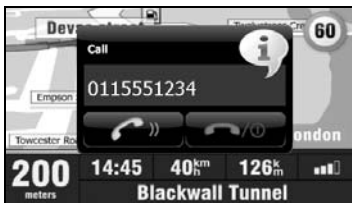
The call is connected and the screen is changed to the following screen.

The telephone icon is displayed on the left-bottom side of the screen while talking over the telephone.
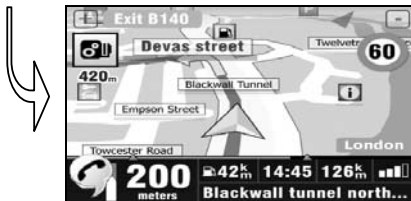
The icon is disappeared automatically as soon as finished the call.

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

◆ While answering the call, all sound from other application programs such as Navigation, Multimedia Player, AV Receiver etc. are 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 device.

4.2.2. Call History

When tapped the dial button without inserting phone numbers, the list of the last call history is appeared.

Icon	Description
	Sorting button.
	List all history.
	Sort received call history.
	Sort dialed call history.
	Sort missed call history.
	Make a call.
	Send messages.
	Delete a selected one.
	Delete all history.
	Save a selected one into a phone book.

4.3. MESSAGE Menu

In this menu, you can send and check as well as manage messages.
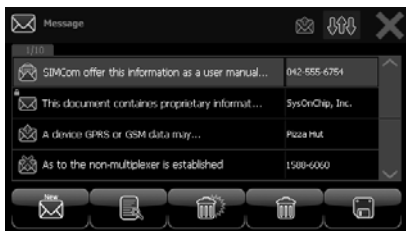
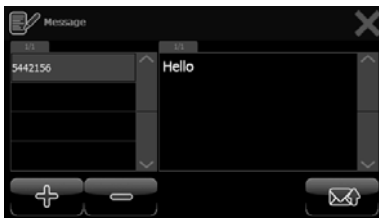| Icon	Description
〰	Sorting button.
■	List all messages.
📨	Sort received call history.
📧	Sort called history.
📧	Sort missed call history.
📨 New	Send new messages.
✆	Make a call.
🗑	Delete a selected one.
🗑 ALL	Delete all messages.
💾	Save a selected numbers into a phone book.

4.3.1. Message View

When double-clicked a message on the list, it is able to see the message in detail. If the message is locked here, the message is protected.
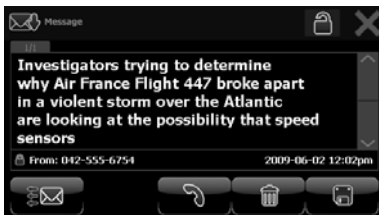
Icon	Description
	Lock a selected message.
	Unlock a selected message.
	Forwarder a selected message.
	Make a call.
	Delete a message.
	Save a numbers into a phone book.

4.3.2.　New Message

When tapped a new message icon on Message menu, a following window is appeared to send a new message.
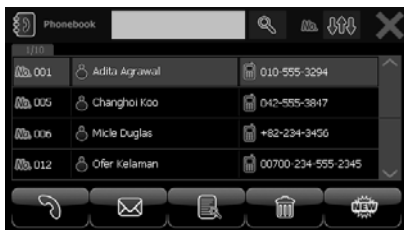

Icon	Description
✛	Add a phone number.
▬	Delete a selected phone number.
✉	Send a written message.

When clicked a Send icon, a following window is displaying until the message is transferred.

4.4. PHONE BOOK Menu

You can search, save and manage the phone number. Also, you can call or send SMS to a selected number.

Icon	Description
〰	Sorting button.
👤	Name sorting.
📱	Phone number sorting.
№	Sort by a speed dial number
✆	Make a call.
✉	Send a message.
🗑	Delete a selected one.
🗑	Delete all lists.
NEW	Add a new one.

4.4.1. Phone Book Information

The detail information can be checked when double-clicked a selected one on the list.
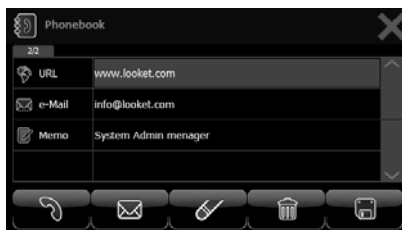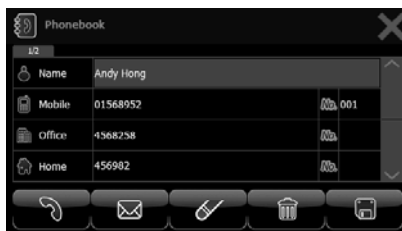
Icon	Description
	Make a call.
	Send a message.
	Delete a selected one.
	Delete a list.
	Save edited information.

4.5. INTERNET Menu

The Looket T5 is a connected GPS device. So you are able to access web pages through GSM/GPRS.

- You may incur additional charges for accessing the web and downloading media.

- The internet menu may be labeled differently depending on your service provider.

- In case of setting Internet at the first time, refer to *Chapter 4.10.4. Internet* in Setting menu.

Icon	Description
⬅	Go to a previous page.
➡	Go to a next page.
⇨	Go to URL.
🔄	Refresh a page.
♡	Add a page to Favorite.

If pushed a Menu button on Internet menu, the menu bar is come up as follows;

- Volume / Backlight
- Keyboard
- Favorite link pages
- Camera
- Emergency SMS

When tapped a Keyboard icon, a following window is appeared.

.com - write '.com'

- hide a keyboard.

- When tapped **ab**
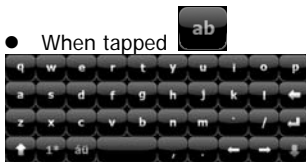
- English Small Letter -

- When tapped ↑

- English Capital Letter -

- When tapped **áü**
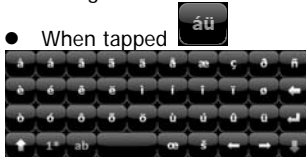
- Extended Small Letter -

- When tapped ↑
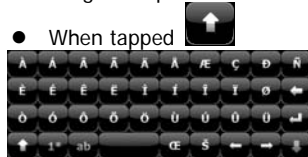
- Extended Capital Letter -

4.5.1. Favorites Page

The LOOKET device provides Favorites function, so it is able to go to web pages quickly that have been visited frequently.
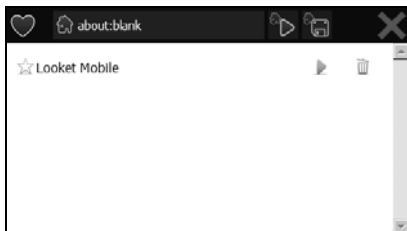
Icon	Description
about:blank	Address of a default page
▷	Go to a default page
💾	Save to a default page
☆ Looket Mobile	Title of favorite page
▶	Go to a favorite page
🗑	Delete a favorite page

4.6. MULTIMEDIA Menu

The Looket T5 models have a Multimedia Player. Various video, 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
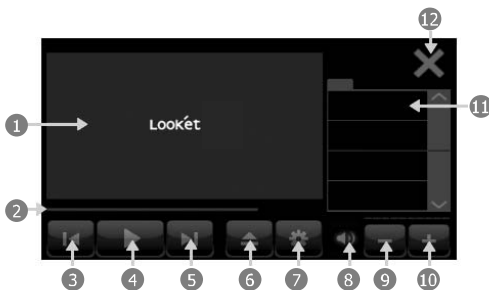
① Screen

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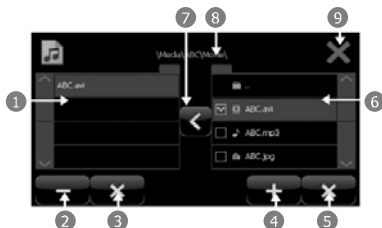
① Showing the edited file list
② Delete the selected file on the file list
③ Delete all files on the file list
④ Select all file in the chosen folder of SD card
⑤ Cancel the selection of the file in the chosen folder of SD card
⑥ Display the file able to be playing in SD card
⑦ Add the checked file to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

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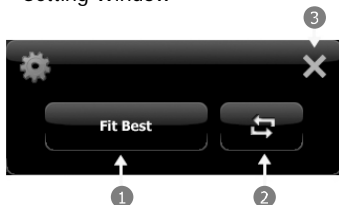
① Screen size setting
   - Fit Best
   - Fill Screen
   - Stretch to Screen
② Play mode
   - Repeat All ( )
   - Random ( )
③ Exit

4.7. 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 T5 (excepting the Looket T500), the user can enjoy the video on the screen.

Yellow : Video
White : Audio Left
Red : Audio Right
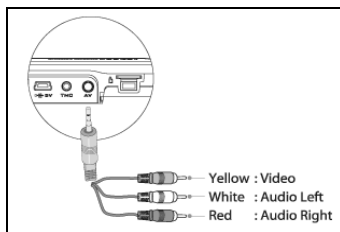
If a user's vehicle has the rear camera which is connected to an AV port on the Looket T5, the image from the rear camera is displayed on the screen.

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.

4.8. SPEED Indicator

The Speed Indicator can be used to check current speed simply without using navigation function. While GPS signal has been fixed, current speed is indicated. (If the signal is weak, '- - -' is displayed.) If tapping Km/h button, the speed unit is changed to MPH.

※ This program is executed when 'M' button is pressed on Main menu.
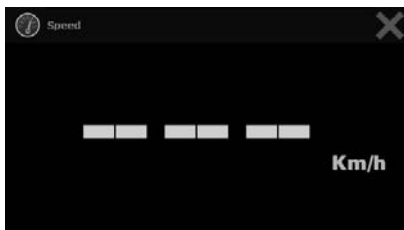
4.9. EMERGENCY SMS

In case of urgent situation such as a car accident, Emergency SMS is sent at any time as soon as this icon is selected in the Menu bar. The sending message is fixed as 'SOS' and the number is able to be changed on Setting → SMS menu.
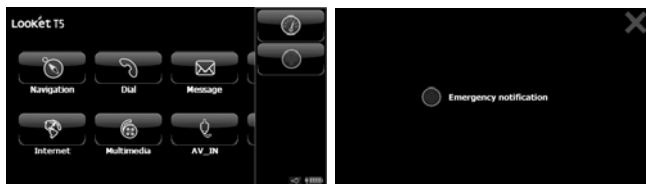
4.10. SETTING Menu
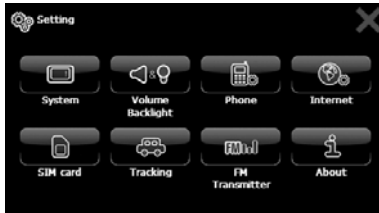
4.10.1. System

1) OS version Information of Looket T5
2) Capacity of Flash Disk (HDD)
2) Capacity and ID Information of SD card
3) Language Selection
4) Recalibration of Screen: The touch pad can be recreated.
5) Auto Rear Camera

4.10.2. Volume & Backlight

The level of the volume and backlight can be set and controlled by moving the slide bar.

4.10.3. Phone

Icon	Name	Description
	User's Phone Number	Indicate a user's phone number automatically.
	SMSC (SMS Center)	Indicate SMSC information from SIM card. If it is not entered or incorrect, messages will not be sent.
	Editing SMSC	Set SMSC value. Ask exact value to the service provider.
	SOS Message	Set to enable / disable sending SOS messages.
	SMS Number Setting	Editing the emergency SMS number.

4.10.4. Internet

A service provider, APN, proxy IP, etc. should be set to use this function.
The Looket device supports predefined APN lists depending on each country and service provider basically. So the suitable service provider in your area can be selected by searching with
▲ / ▼ buttons.
If the predefined information is not correct, the user can edit the APN list directly, and then the edited or new information is saved in the Customer Manual Setting.
Before setting it, please confirm the exact information from your local service provider.

4.10.5. SIM Card
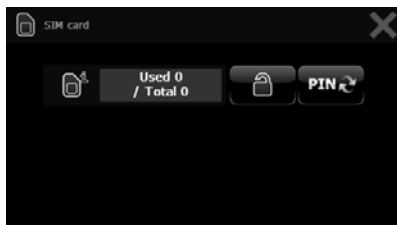
Icon	Name	Description
	SIM Information	Indicate saved information from SIM card.
	SIM Lock/Unlock	Lock / unlock SIM card with PIN code input. If entered wrong PIN code over 3 times, need PUK code. In case of over 10 times error for PUK code, it is impossible to use the SIM card anymore.
	PIN Code	Customize PIN number.

4.10.6. Tracking
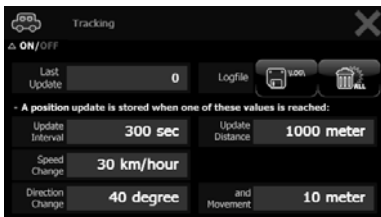
In case that the Tracking mode is on, the device goes to the LCD sleep mode to keep the tracking function in the Sleep mode.

Icon	Name	Description
	Tracking On/Off	Turn on/off Tracking function.
	Tracking Log Save	Save traveling route into flash memory per definite period. If tapped the button, the latest track log is saved additionally. Saved log messages can be checked by USB connection.
	Tracking Log Delete	The tracking log record is automatically saved in 10MB size. In case of over more log data, the oldest log is deleted. If clicked the button, all log data is deleted.
Last update Update Interval Update Distance Speed Change Direction change and Movement		Indicate setting value from the server – track.looket.com. These setting can be changed in only server. Changed settings are updated when the device is connected to the server.

※ LCD Sleep mode: a power save mode with LCD off and disabling touch input and audio in/out function. In the mode, the battery is been spending much more than the basic sleep mode.

While the Tracking function is on, the device is working as a following table. Valid GPS signal means GPS status with good reception after booting. In case of the place such as in a building where GPS signal can be reached, the device is not logging the tracking information.

※ If the Tracking function is off, the tracking software is not working.

	Valid GSM signal (registered)	**Invalid GSM signal (unregistered)**
Valid GPS signal	1. Logging current track date. 2. reporting to tracking server with condition	1. Logging current track data.
Invalid GPS signal	1. Keep last valid location information. 2. Reporting to tracking server with condition.	1. Keep last valid location information.

4.10.7. 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 T5 via the speaker connected to the FM radio. At this time, all sound from the device is silent excepting only voice from the phone.

The available frequency range is from 88.1 MHz 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

※ *The Car Charger, AC Home Charger or mini-USB Cable of the Looket device is acted the part of the FM antenna. So it should be connected with the charger or cable to use the FM Transmitter function.*

4.10.8. About

You can check a model number, company information and URL.

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 the 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:*
 - *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.*

5.2.   Not Installed Software

This message is displayed when the navigation software is not installed in the internal flash memory or the microSD card.

※ *Notice:*
 If the navigation software is installed in the microSD card, please try to extract and re-insert it, then it will be able to be working again.

Please contact authorized distributors in your country if the 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...
● A minute later after the touch screen is unlocked in the battery mode without the external power connection.
● 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.
● When receiving a call or SMS (text messages).

※ LCD Sleep mode

While the Tracking function is enabled, the LCD sleep mode is conducted when clicking a Sleep button. During this mode, it disables using touch input and audio in/out function with LCD off to save its power. (*refer to Chapter 4.10.6. Tracking.*)

In the mode, the battery is spend much more than the basic sleep mode.

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.   SIM Card Extracted

Do not open the SIM card slot and/or remove the SIM card while the device is turned on. It could result in damage to the SIM card.

If the SIM card is extracted in operation, a following screen is come up.

To run the device normally again, insert the SIM card and close the slot. Then, switch on the device.

5.6.　Lower Battery Warning

When the battery lever is low, a following warning message is shown.

As soon as it is appeared, please connect the charger 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 device normally, we recommend to use the AC home charger at all times.

6. Trouble Shooting

Trouble	Solution
The device is frozen or locked up.	Please reset the device by a 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.

No SIM Card	Ensured the SIM card is inserted or installed correctly.
PIN Code	Enter the PIN code supplied with the SIM card.
PUK Code	If entering the PIN code incorrectly over 3 times, the SIM card is blocked. Then the PUK code supplied by the service provider must be entered
GSM signal is not good.	May lose reception in areas with weak signals or poor reception. Move to another area and try again.
	Ensure you are not blocking the internal antenna located in the left side of the device.
Not sent/received text messages	Ensure you entered the right address for text messages.
Another caller can not hear your speaking.	Ensure the microphone is covered.
	If using a headset, check it is properly connected.
Audio quality of the call is poor.	Ensure you are not blocking the internal antenna located in the left side of the device.
	May lose reception in areas with weak signals or poor reception. Move to another area and try again

If you have some problems using Looket T5, 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 T5 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 T5 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.

※ **Looket Service Center**

If the device is found to be defective, please read the warranty term firstly and contact retailers or us to be repaired or replaced.

E-mail, call or fax to the following 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,
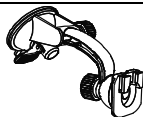 305-350, The Rep. of Korea (South Korea)

8. Package & Accessory
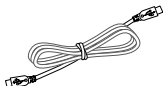
◆ Basic Unit Package
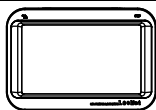
Looket T5	Bracket	Car Mount
Car Charger	USB Cable	User Guide Manual
Belt-clip		

◆ Optional Accessory
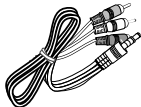
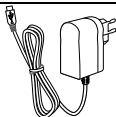|			
AV Cable	AC Adapter	External GPS Antenna	Ear-set

* Package contents might vary depending on countries without notice.

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

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