LG Electronics

Test Manual

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LG Telematics

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1. How to Place a Call

Fig.1

YOUR ONBOARD ONSTAR PANEL

OnStar Services Button – Press this blue button, and you will be connected to an OnStar Advisor. You will hear a chime, followed by the words, "Connecting to OnStar." OnStar then generates a sequence of "tones" during the connection process. The process will normally take about 15 seconds. Your system is equipped with backup connection retry capabilities. If you do not immediately connect to OnStar, DO NOT DISCONNECT. A series of retry attempts will be made automatically. If you wish to cancel your call to the OnStar Center, simply press the white-dot button. The blue OnStar Services button is also used to control the "memo record" feature during a call with OnStar.

OnStar Emergency Button – In an emergency, press this button to connect with an OnStar Advisor. Your call will be given the highest priority, and you will hear a chime followed by the words, "Connecting to OnStar Emergency." The Advisor will

attempt to locate your vehicle, find out what kind of assistance you require, and contact a nearby emergency services provider to dispatch ambulance, fire, police, or other emergency services. **Please use this button only for true emergencies. If you press this button by mistake, please stay on the line and tell the Advisor that there is no emergency.**

White Dot Button – Press this button to end any call or to place and receive calls with OnStar Personal Calling, a hands-free, voice-activated phone that is fully integrated into your vehicle.

PLACING A CALL

There are three ways to place a call:
1. By using a particular number, say "Dial"
2. By using stored nametag, say "Call"
3. By dialing the last number, say "Redial"

To dial a number:

WHAT YOU DO	ONSTAR RESPONSE
1. Press the (white-dot button)	"OnStar Ready"
2. Say "Dial"	"Number, please"
3. Say the telephone number to be stored, one digit at a time	OnStar will confirm each digit by repeating it back to you
4. When finished say "Dial" again	"Dialing <number>," then your call will be connected.

Or wait, and the system will ask if you want to Dial.

To dial using a "Nametag":

WHAT YOU DO	ONSTAR RESPONSE
1. Press the (white-dot button)	"OnStar Ready"
2. Say "Call"	"Nametag, please"
3. Say the "<stored nametag>"	"Calling <nametag>," then your call will be connected

To redial the last number dialed:

WHAT YOU DO	ONSTAR RESPONSE
1. Press the (white-dot button)	"OnStar Ready"
2. Say "Redial"	"Calling <nametag>," then your call will be connected

RECEIVING A CALL

If someone calls your wireless phone number, the entertainment system in your vehicle will mute (if it is on), and you will hear a phone ringing sound. To answer the call, simply press the white dot button.

ENDING A CALL

When your call is finished, press the white dot button to end the cal. It is not possible to end a call using voice commands.

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2. ATT Tool for TCU Setting
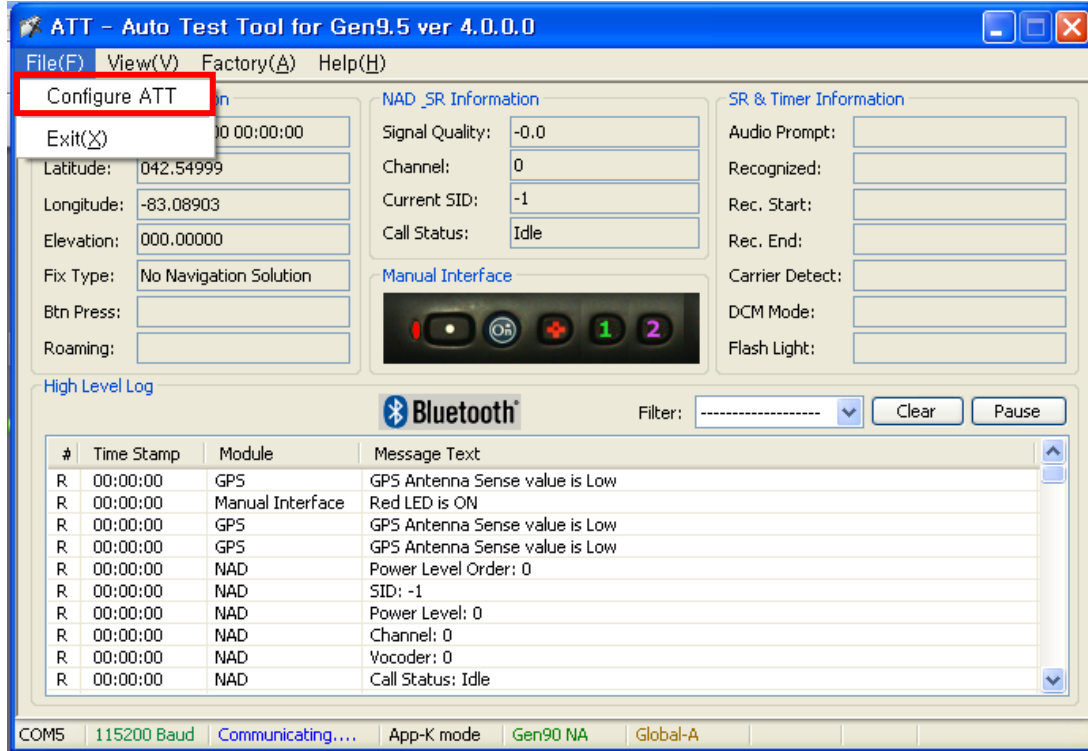
1) Set COM Port

Fig.2
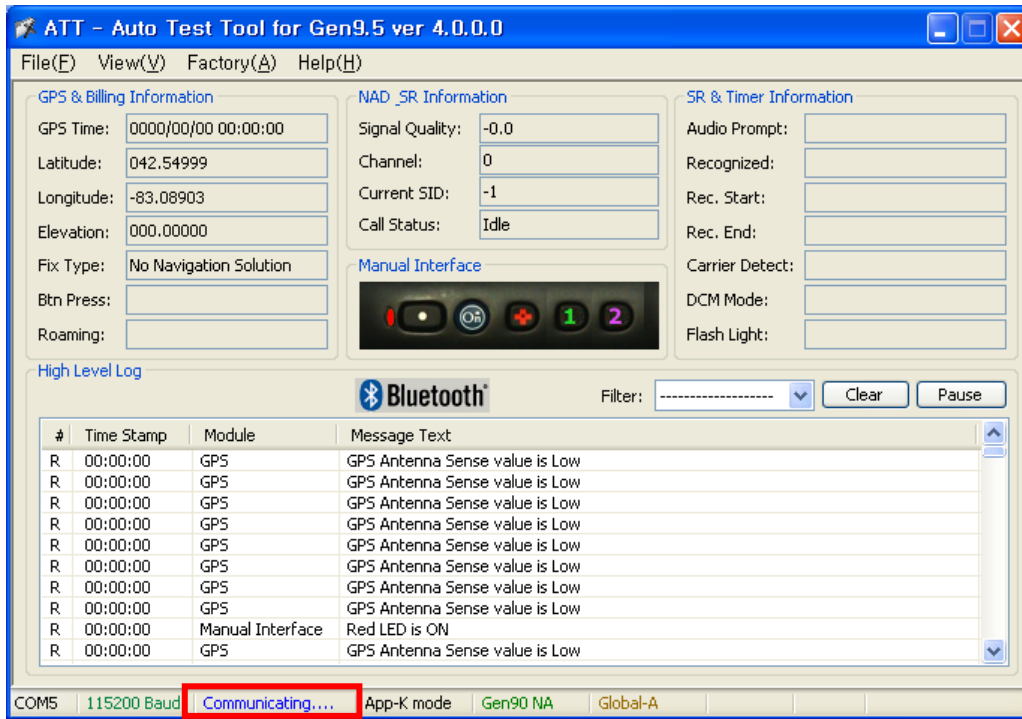
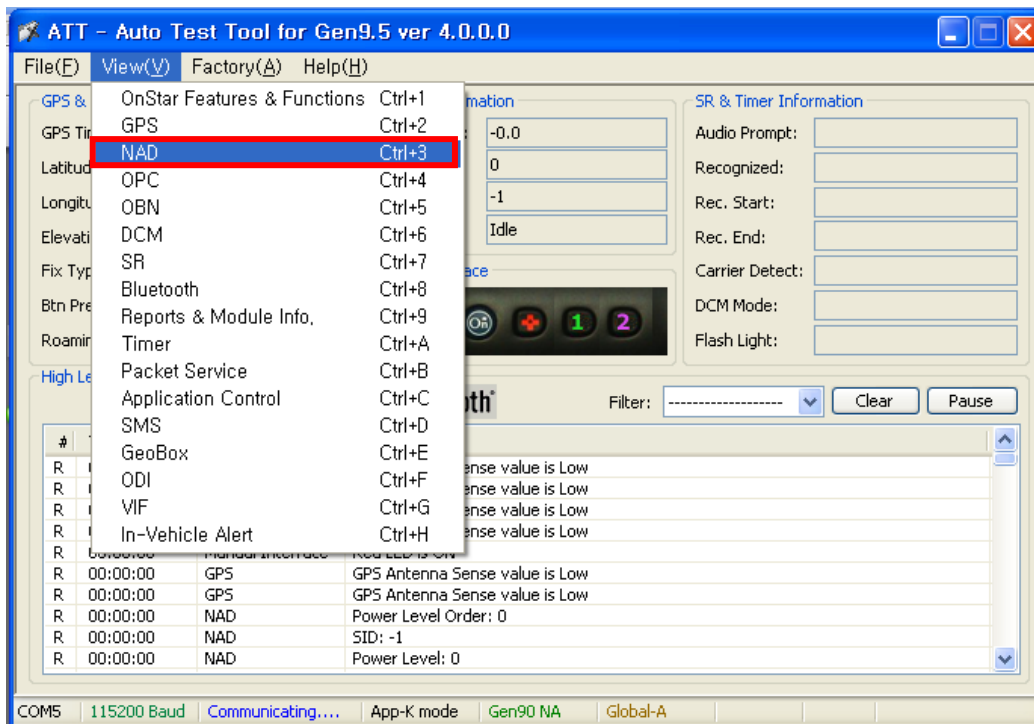2) Check Connection Status

Fig.3

3) NAD Screen

Fig.4
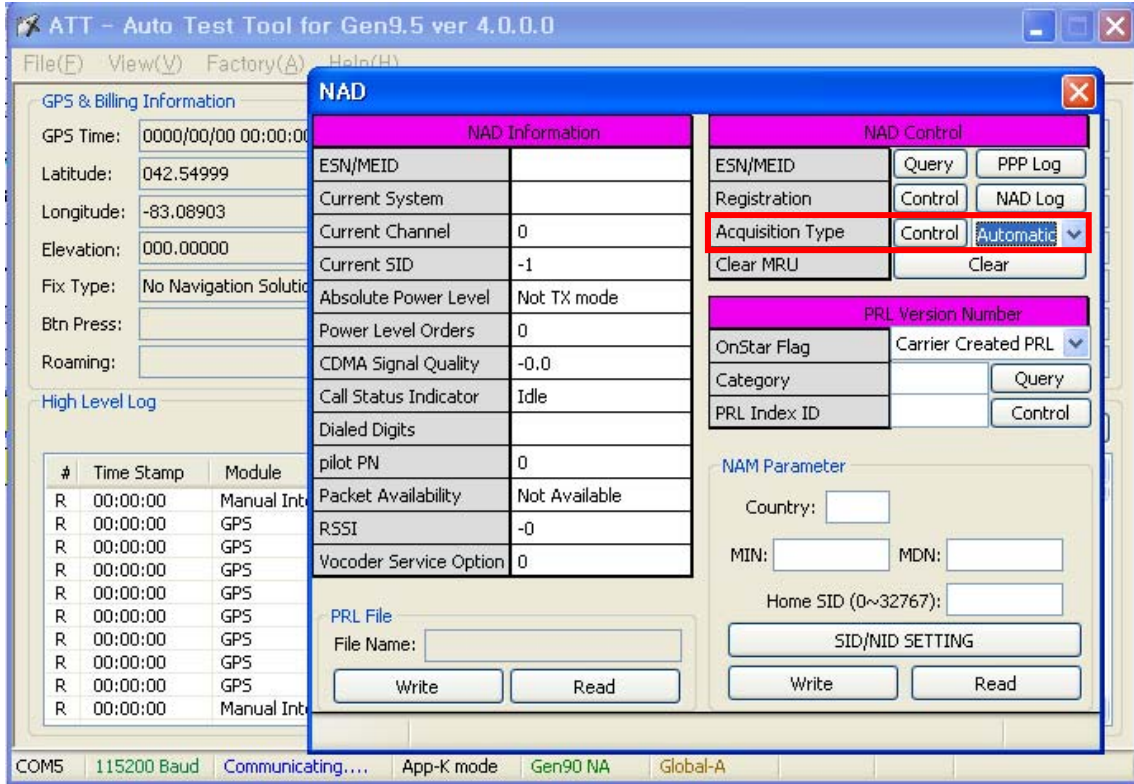
4) Select Forced band mode and apply it

Fig.5

- Click to see the selectable menu for changing
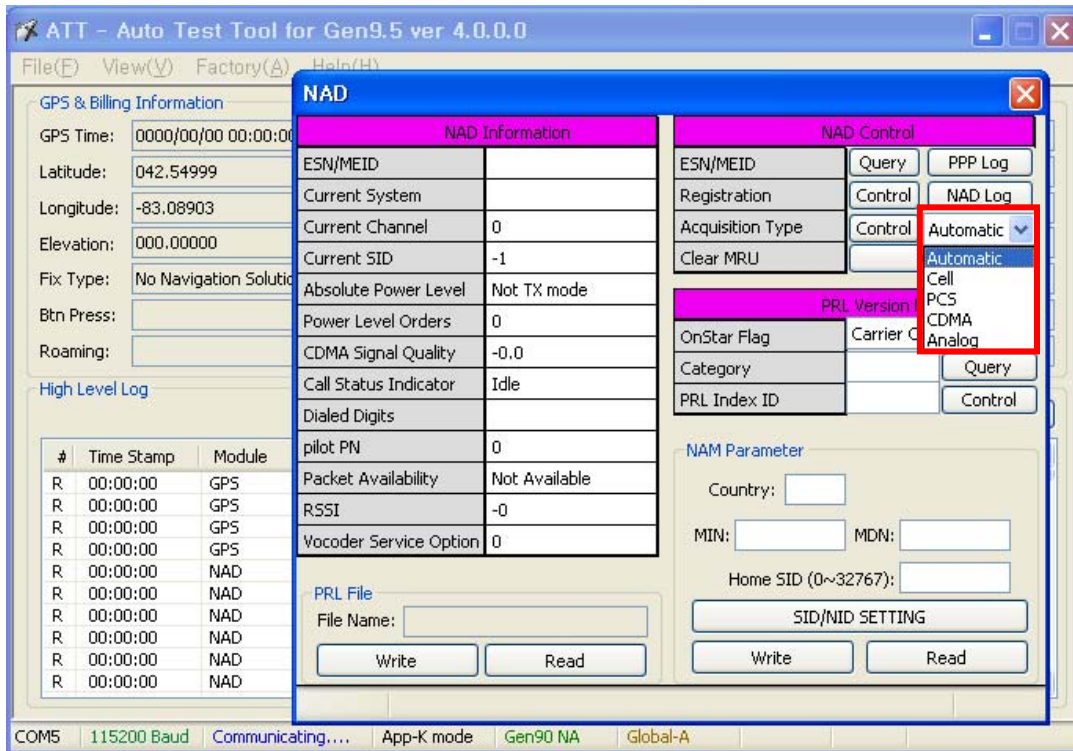- After select the Service mode, click "Control" to apply it.

Fig.6

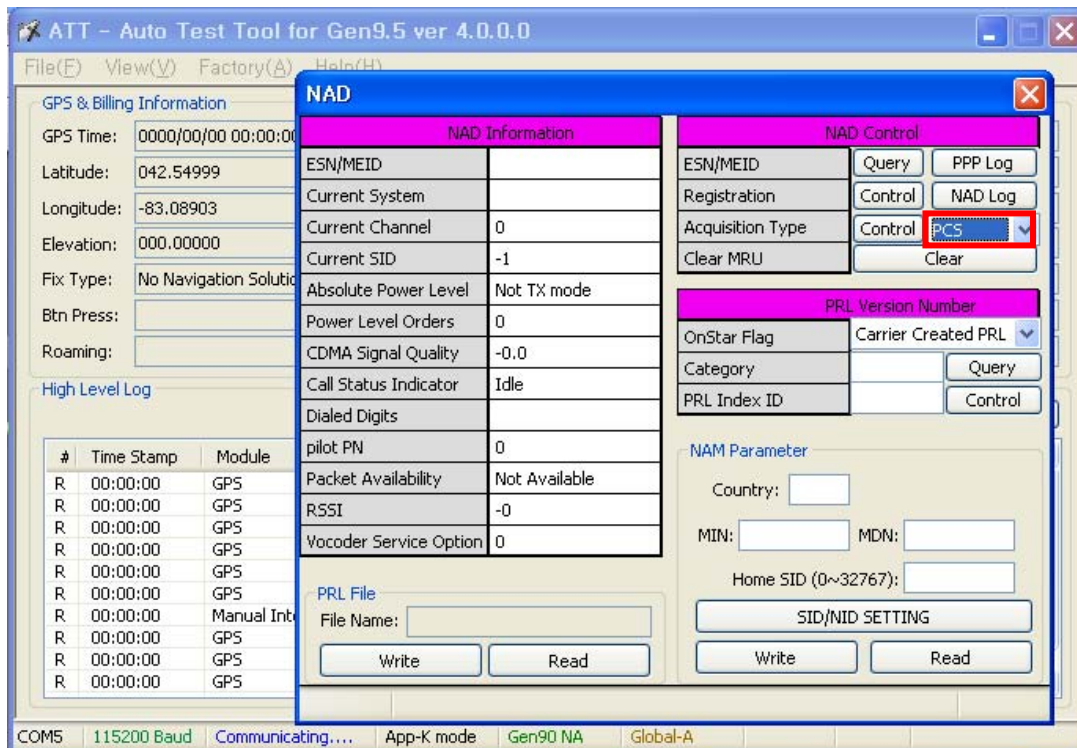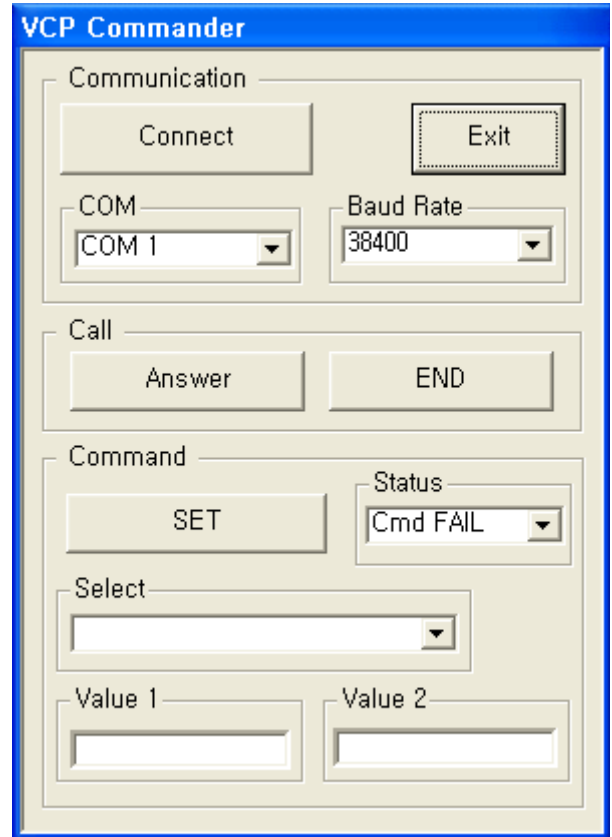4) Check result of change.

Fig.7

3. VCP Commander

1) Run "VCP-Commander.exe".
   This tool is single executable file.

2) Connect the named "CAIT"-port to
   Your PC's serial port.

3) Check the serial baud rate of VCP
   (Power-up default is 38400bps)

4) select your PC's COM-port,
   Press "Connect button"

5) Test the right connection.
   Press "END", verify that "Status" is
   Flipped ("Cmd FAIL" to "Cmd OK")

6) Select command from drop-down-list
   And enter "Value 1" or "Value 2" according to each command.

7) Press "SET" button, then status is flipped.

8) Below table are command lists, value 1 and value 2.

"Command"	"Value 1"	"Value 2"	Description
PREF_AUTOMATIC PREF_CELL_ONLY PREF_PCS_ONLY PREF_CDMA_ONLY PREF_ANALOG_ONLY PREF_HOME_ONLY	Don't care	Don't care	Set system selection mode
PREF_P_REV_3 PREF_P_REV_4 PREF_P_REV_6	Don't care	Don't care	Set MOB_P_REV temporally
A_KEY	See example 1	See example 1	Set A-key value

PREF_FOR_RC	1 ~5	Don't care	Set NV_PREF_FOR_RC_I
IMSI_MCC	3-digit Decimal ie' "120"	Don't care	Set NV_IMSI_MCC_I
IMSI_11_12	2-digit Decimal ie' "12"	Don't care	Set NV_IMSI_11_12_I (MNC)
SCM	One-byte decimal	Don't care	Set NV_SCM_I
SLOT_SYCLE_INDEX	0 ~ 7	Don't care	Set NV_SLOT_CYCLE_INDEX_I
MOB_TERM_HOME	0 or 1	Don't care	Enable(1) or Disable(0)
MOB_TERM_FOR_SID	0 or 1	Don't care	Enable(1) or Disable(0)
MOB_TERM_FOR_NID	0 or 1	Don't care	Enable(1) or Disable(0)
Dial_SO2_LB, Dial_SO3_EVRC, Dial_SO9_LB13, Dial_SO54 Dial_SO55_LB Dial_SO32768 Dial_SO32798 Dial_SO32799	Don't care	Don't care	Originate call with specified SO. Dial number is fixed to "111" internally.
CALL_ANSWER	Don't care	Don't care	Answer incoming call
CALL_END	Don't care	Don't care	End call.
Power_Down	Don't care	Don't care	Force power-down "Communication Module" only After this command, must do unplug then plug main VCP power to power-up Module.
Power_Recycle	Don't care	Don't care	Force power-recycle "Communication Module" only

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FCC Information

FCC part 15.19
This device complies with Part 15 of the FCC Rules, Operation is subject to the following two conditions: (1) this device ma not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Installation

This unit should only be installed by qualified personnel by GMOnstar.

Address
P.O.Box 430627
Pontiac, MI 48343

Part 15.21 statement

"Change or Modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment. "

"In order to comply with RF Exposure requirements the antenna or radiating element of this device must be installed to ensure that it is at least 20cm from end users. The antenna supplied with this device must not exceed a maximum gain of 9.74dBi in the cellular band and 8.25dBi in the PCS band."

Part 15.105 statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference 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.