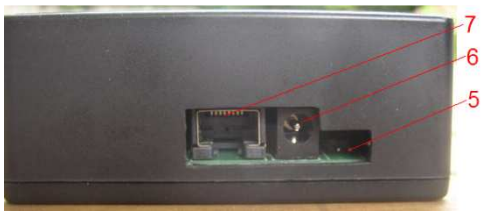
QUICK REFERENCE GUIDE

rev 1.0

DESCRIPTION



1 DISPLAY TOUCH
2 OBD CABLE CONNECTOR
3 MINI USB CONNECTOR
4 SD CARD SLOT
5 AUXILIARY DIGITAL INPUT
6 AUXILIARY POWER SUPPLY
7 EXPANSION PORT

POWER SUPPLY

The NANOCOM can be powered in the following modes
-Connecting it to the OBD plug of the car
-Connecting a line adaptor with output 12V continuous current 500mA to the auxiliary power supply plug, on the right side of the unit.(extern negative inner(TIP)positive).
(extern negative inner(TIP)positive).
- NANOCOM can get power also from the MINI USB connector, but in that case you can not use for diagnostic function and you can not have access to the menu. The unit powered by USB can work only as external memory device for PC.

POWER ON

The NANOCOM doesn't have a switch that disconnect the power from the unit, so it start automatically when it get power from one of the sources, and it stay active until the source of the power is disconnected.

POWER OFF

To turn off the NANOCOM you have to remove the power source. Before to remove the power source is better to acrivate the standby with the button that you find in the main menu. This allow the unit to close files eventually opened to avoid errors on the file system.

STANDBY

The NANOCOM has the standby mode that allow to let the unit always connected to the OBD plug.
In this way the unit is always powered on but it has a low consumption (only 6mA). The user has to turn the unit to standby after the usage with the standby button in the main menu.

Some applications that work as board instrument automatically turn the unit to standby when the unit stops the communication, so it automatically go in standby a few seconds after the ignition is turned off.

TURN ON FROM STANDBY

To turn the NANOCOM on after the standby, you have to push the touch screen for a few seconds and stop your finger pressure after you hear the buzzer and you see the start up procedure on the display

MAIN MENU

When the NANOCOM is turned on, it shows the main menu.

This menu is composed by vehicle items, and each one of them has a submenu with all the diagnostic module available for that vehicle.

The last item of the main menu, “NANOCOM” allow to access to some functions to manage files and application and to setup the unit.

If the NANOCOM has a start up mode not equal to “NORMAL”, the main menu is showed only after the application selected in the start up parameter will be quitted.

START UP MODE SELECTION

The start up mode allow the user to select an application that will be executed directly at the start up of the unit instead of the main menu, to quickly activate it without select it from the main menu. To modify this parameter, you have to go in the NANOCOM->SETUP->STARTUP SETTING. A choose box in the display allow you to select one of the applications available. Push the “SAVE” button and quit the menu to activate the new setting.

NOTA: If you select the TD5 INSTRUMENT as start up parameter the NANOCOM will work as board instrument. In this way you turn on with a finger pressure on the touch after the engine is turned on and it start automatically to read the fuelling inputs, showing them with as big led display of a traditional instrument. This application allow also to have an adjustable over temperature warning on the display. That application turn the NANOCOM automatically to standby about 30 seconds after you turn the engine off.

BACKLIGHT ADJUSTMENT

TO adjust permanently the Backlight level you have to go to the NANOCOM->SETUP->DISPLAY menu. You can adjust the level by means of the +/- buttons and confirm it with the “SAVE” button. To activate the new setting please go back to main menu and turn the NANOCOM off and restart it.

BACKLIGHT QUICK ADJUSTMENT

To adjust the backlight level temporarily, without to quit the application that you are using, you have to push the touch anywhere for about 3 second; a window allow you to adjust the back light. This new level stay active until the unit is turned on.

TOUCH SCREEN CALIBRATION

Ti is possible to calibrate the touch screen, to do it you have to go the NANOCOM->SETUP->DISPLAY and push the “TOUCH CALIBRATION” button. The calibration procedure will start. You have to push the touch until you hear the beep on the arrowhead that is showed on the display 4 times in 4 different positions. At the end of the calibration you don’t have to restart the NANOCOM to activate the new settings.
NOTE: To calibrate the touch we suggest push the touch in the arrowhead with an object with a small surface of contact with the display.

BACK GROUND PICTURE SELECTION

The NANOCOM has 4 selectable picture for background. To select them you have to go the the NANOCOM->SETUP->DISPLAY menu and choose one of the items BK1 BK2 BK3 BK4 in the choose box. Confirm pushing the “SAVE BACKGROUND” Button. Quit the nemu and restart the NANOCOM to activate the new setting.

ID AND UNLOCK CODES

The NANOCOM is supplied without the unlock codes. To get them you have to register the unit to the site www.nanocom.it . To do it you have to know the ID number of your unit, that you can see it from the menu NANOCOM->SETUP->NANOCOM ID. This code is composed by 6 digit letters and numbers. Once the unit is registered you can gain access to the restricted area, where you can see the unlock codes. To insert the codes to the NANOCOM you have to go to the menu NANOCOM->SETUP->UNLOCK CODE, then push the white box corresponding to the unlock number that you have to insert. A virtual keypad allow you to edit the code. When all codes are correctly inserted you have to save them pushing the "SAVE UNLOC CODE" button in the last mage of the menu.
Quit the menu and reboot the unit.

RESTORING FILE

The NANOCOM has a restoring utility to restore the NC_FIRMWARE in case of file system corruption. If during the start up the file sysem find errors in the FAT unit NC_FIRMWARE, the system search for the file "RESTORE.BIN" in the SD CARD. If the file is available in the SD the display shows "restoring file found…push the display to restore the firmware disk…".You can activate the restoring procedure pushing the touch screen.
Once the restoring process is completed the display will show the message "Restoring complete…Reboot the unit". Restart the

RESTORING FILE CREATION

To create the restoring file you have to go the NANOCOM->SETUP->RESTORING FILE menu. Push the "CREATE RESTORING FILE" button and wait that the progress bar is completely colored, and a message box advise you that the file is created (the operation ca require several minutes).
You can execute the restoring procedure also if the unit has not error in the FAT. youhave to go to the menu NANOCOM->SETUP->RESTORING FILE. And push the button "RESTORE SYSTEM". The unit start the restoring procedure as described before.
NOTA: Once the file is created we suggest to store it in your PC or in a CDROM to avoid to loose it because of SD CARD format or because the file is delete for error. This will allow you to restore the unit also if you loose the restoring file, simply copying it in the SD CARD

SD CARD

The diagnostic data are stored in the SD CARD. The memory must be inserted in the slot located on the top side of the unit.
The SD must have a capacity less or equal to 2GB(no SD HC)
The SD must be formatted in FAT mode (no FAT32 o NTFS)
To format the SD CARD, it has to be inserted in the slot, then connect the NANOCOM to the PC with the MINI USB cable, without other supply source (OBD or external), and without push the display anywhere. Once the unit is connected, the PC shows it as an external memory device in the resource manager. Click on it with the right button of the mouse and select "Format" from the menu. A window allow you to format the unit, be careful to choose the "FAT" and the "Quick format" options. Now click the "format" button and wait the end of the process.

FILE IMPORT EXPORT

To import export files into the SD card, connect the NANOCOM to the PC with the MINI USB cable, without other supply source (OBD or external), and without push the display anywhere. Once the unit is connected, the PC shows it as an external memory device in the resource manager, where you can drag drop the files.

DIAGNOSTIC FILES

During a diagnostic session, you can generate file reports of the data that you find in diagnostic function, if in the page thereis a button with this icon

-The dynamic reading are stored in CSV files that you can open with EXCLE and see the values in listed in column and create graphics lines with them.
-The “Settings”, can be store in CSV format.
-I The faults are stored in TXT file that you can open with all text editor.
-The map file without protections are stored in MAP format
- The map file protections are stored in TUN format

When you find the following icon in an application’s page it means that you can directly import data from a compatible file .

For example you can read the TD5 injectors setting in a CSV file and then open the file any time you want to write the injectors code stored in that file any time you want , without edit the values each times.

FILE MANAGER MENU

The menu NANOCOM->FILE MANAGER allow you to manage the files in the SD card.
The white list box on the left show all the file present in the SD, and if you push one of the name, you see the yellow selection on it.
The black bar on the lower part of the screen shows information about the file any time you select a file, if there is information available for that file .
If you push on the “Filter” box you can edit the filtering criterion. By default if is *.* so all files are shown. If you insert *.CSV it will show the CSV files only. If you write B???????.CSV it will shows all the files CSV that start with the letter B.
The RENAME button allow to rename the selected file.
The DELETE button allow to delete the selected file.
The OPEN button allow to run directly the application that manage the content of the and load automatically the data on it.

DYNAMIC INPUT CSV FILES VIEWING

The files CSV generated during the input reading can be viewed by the application that generate them. You have to go to the FILE MANAGER and select the file that you want to open, and push the open button.
The application relative to this file will be opened directly in the input page, you will see in the bottom of the display this buttons.
The data are showed on the show boxes like if the NANOCOM is connected to the car.

 Automatic backward
 One line Backward
 Stop
 One line forward
 Automatic forward

The text box on the lower left corner show the number of the line. You can edit it pushing on it to jump to the desired line.

THE PEACK DETECTION FUNCTION

During the dynamic reading you can find these buttons.

 show maximum peak

 show minimum peak

 peak reset

If you push the show peak button you can see the maximum or minimum level reached by all values during the reading, since function was started or since the reset peak button was pushed.

FILE NAMES

The files name must be not longer than 8 characters, the extension are assigned automatically from the applications.
If you copy files with long name in the SD, the NANOCOM shows them cut, and they can be opened in a bad way and so the content can be not valid.

THE APPLICATIONS MENU

The Main menu shows only the applications that find in a specific configuration files. The “APPLICATIONS” menu allow to see all the application available in the unit and execute them. They are showed as buttons that you can push to execute them.

FORCED RESET

If the software freeze and you can no longer interact with the touch, you can restart the NANOCOM without remove the power source. To do it you have to push the touch anywhere and keep it pressed for more than 8 seconds, until you see than the NANOCM restart.

SUGGESTIONS FOR THE DIAGNOSTIC USAGE

-The diagnostic functions must be performed with the ignition on and the engine can run or can be stopped.
-If you desire stop the communication with one module and perform functions to another one you have to quit the module and turn off the ignition for more than 15 seconds, in some case you may wait more than one minute.
-If for some reason the communication stops and you get an error message, you have to turn off the ignition for more than 15 seconds, in some case you may wait more than one minute.
-The alarm – BCU modules can communicate also if the ignition is turned off. We suggest to keep a working remote fob near to retrigger the alarm if you are not able to communicate with the alarm without to wait the timeout than can be a very long time.
-You can find information about the specific diagnostic modules in the web site in the NANOCOM SERE I sections, because the diagnostic function are almost equals.