



T: +1 (855) 305 305 8
T: +1 (305) 799 5571
1315 NW 98th Ct. Suite 9
Miami, FL 33172-2774
ussales@elenos.com
www.elenos.com



Technical Bulletin 127-1-ITA

Using ASCII terminal control apparatus with Elenos Transmitters

Date: 19-3-2014

Technician N. Fogli, J. Bisset

Equipment: All Elenos Transmitters

EUROPE HEADQUARTERS

ELENOS SRL
Via G. Amendola 9
Poggio Renatico
44028 Ferrara (Italy)
T: +30 053 282 9965
sales@elenos.com

NORTH AMERICA HEADQUARTERS

ELENOS USA LLC
1315 NW 98th Ct. Suite 9
Miami, FL 33172-2774
T: +1 (305) 799 5571
ussales@elenos.com

LATIN AMERICAN HEADQUARTERS

305 BROADCAST LLC
1315 NW 98th Ct. Suite 10
Miami, FL 33172-2774
T: +1 (305) 406 3560
sales@305broadcast.com



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T: +1 (305) 799 5571
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www.elenos.com



Using the ASCII terminal for controlling Elenos equipment

This technical bulletin is intended to explain the rules of the common use of an ASCII terminal (i.e. Hyper-Terminal, Term, etc.) to check and change/edit parameters in the Elenos transmitters.

Tools/Parts Needed: PC with ASCII terminal, Elenos transmitter, PC connection cable to link the transmitter with the PC.

Terminal Requirements:

Communication parameters:

Bits per second – 9600 baud (or 38400 baud, based on firmware release, before or after March 2014)

Data bits – 8

Parity – none

Stop bits – 1

Flow control – none

Warning: If you are having communication problems, check the monitor display apparatus to determine the value of the baud rate to use.

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OPENING COMMUNICATION

To open communication in the terminal window, type the sequence 21i00.

Of this numerical sequence, “2” is used to close any communication sessions already open.

“1” is used to open the new session of communication.

“i00” is the default address of the device.

If you are having communication problems, check the monitor display to determine the address to use.

If opening communication is successful, the screen will display the main menu, shown below:

A screenshot of a terminal window titled "ELENOS ECHOS6". The window shows a main menu with various options and status information. The status bar at the bottom of the terminal displays "Connesso a 0.00.42 ANSW 9600 0-N-1 SCORR MAJUSC NUM Acquisito Eco stampante".

```
ELENOS ECHOS6          ELENOS          <id 0000>      [menu = 0]
-----
Status : 009 HARDWARE FAULT          11:25 04/04 | Reset alarms : F
-----
REMOTE      RESERVE:      TX1:HND,OFF,LOC,FLT,-,1
MANUAL      HND,OFF,LOC,FLT TX2:HND,OFF,LOC,FLT,-,1
MK ORIGIN   ----         TX3:HND,OFF,LOC,FLT,-,1
-----
MAIN MENU (level 1) ===>          11:25:35_Mo 04/04/2011
-----
E = Echos6 Service
K = Password
S = Status/Alarms
H = Alarms History
P = SMS Phone set.
X = System settings
G = IC/IS status
Y = Tx's I/O
Z = Password reset
V = En. 0-31 Alarms SMS
B = En. 32-63 Alarms SMS
-----
ELENOS Srl
Via G.Amendola, 9
44028 Poggio Renatico (FE)
ITALY
Tel.+39 0532 829965
Fax.+39 0532 829177
www.elenos.com
-----
Ver. 2.21 /1.01 (c)2011 Elenos
```

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NAVIGATION

To navigate between the various items and screens, the up-down-left-right “four arrow” keys are used on the keyboard. These keys are usually to the right of the keyboard, shown below.



SELECTING THE DESIRED ITEM

To select the desired item, once you have selected it using the “four arrow” keys, press ENTER.



If the item has a letter associated with it, type that letter.

To return to the main menu, type the letter “Q”.

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INPUT PARAMETERS

To change the value of the parameters, move to the appropriate field by using the “four arrow” keys. (see the value “60” shown below):

```

ELENOS ECHOS6                ELENOS                <id 0000>      [menu = 0]
-----
Status : 009 HARDWARE FAULT                11:29 04/04 | Reset alarms :F

REMOTE      RESERVE:      TX1:HND,OFF,LOC,FLT,-,1
MANUAL      HND,OFF,LOC,FLT TX2:HND,OFF,LOC,FLT,-,1
MK ORIGIN   -----      TX3:HND,OFF,LOC,FLT,-,1
-----
ECHOS6 SERVICE ==> n+1 Status: Wait pwr up   T.Out:  0 T.op: 2423 (sec)
-----
PRIORITY    TIMERS          TO          FLAGS:          COAX
( )WAR BEF AFT   LOAD          OFF LOC FAULT  --- COUNTER
TX 1:(1) 60    5 30  HAND.  OFF  FALSE RST  OFF LOC FAULT  ---  0
TX 2:(1) 60    5 30  HAND.  OFF  FALSE RST  OFF LOC FAULT  ---  0
TX 3:(1) 60    5 30  HAND.  OFF  FALSE RST  OFF LOC FAULT  ---  0
    
```

Press ENTER, and the field will change color (see the value “60” is now red):.

```

ELENOS ECHOS6                ELENOS                <id 0000>      [menu = 0]
-----
Status : 009 HARDWARE FAULT                11:29 04/04 | Reset alarms :F

REMOTE      RESERVE:      TX1:HND,OFF,LOC,FLT,-,1
MANUAL      HND,OFF,LOC,FLT TX2:HND,OFF,LOC,FLT,-,1
MK ORIGIN   -----      TX3:HND,OFF,LOC,FLT,-,1
-----
ECHOS6 SERVICE ==> n+1 Status: Wait pwr up   T.Out:  0 T.op: 2469 (sec)
-----
PRIORITY    TIMERS          TO          FLAGS:          COAX
( )WAR BEF AFT   LOAD          OFF LOC FAULT  --- COUNTER
TX 1:(1) 60    5 30  HAND.  OFF  FALSE RST  OFF LOC FAULT  ---  0
TX 2:(1) 60    5 30  HAND.  OFF  FALSE RST  OFF LOC FAULT  ---  0
TX 3:(1) 60    5 30  HAND.  OFF  FALSE RST  OFF LOC FAULT  ---  0
-----
RESERVE:          OFF  FALSE RST  OFF LOC FAULT  --- Total:  0
-----
ACTUAL PRIORITY:255
chOld:5 chActual:0 chNew:5 chFault:0
    
```

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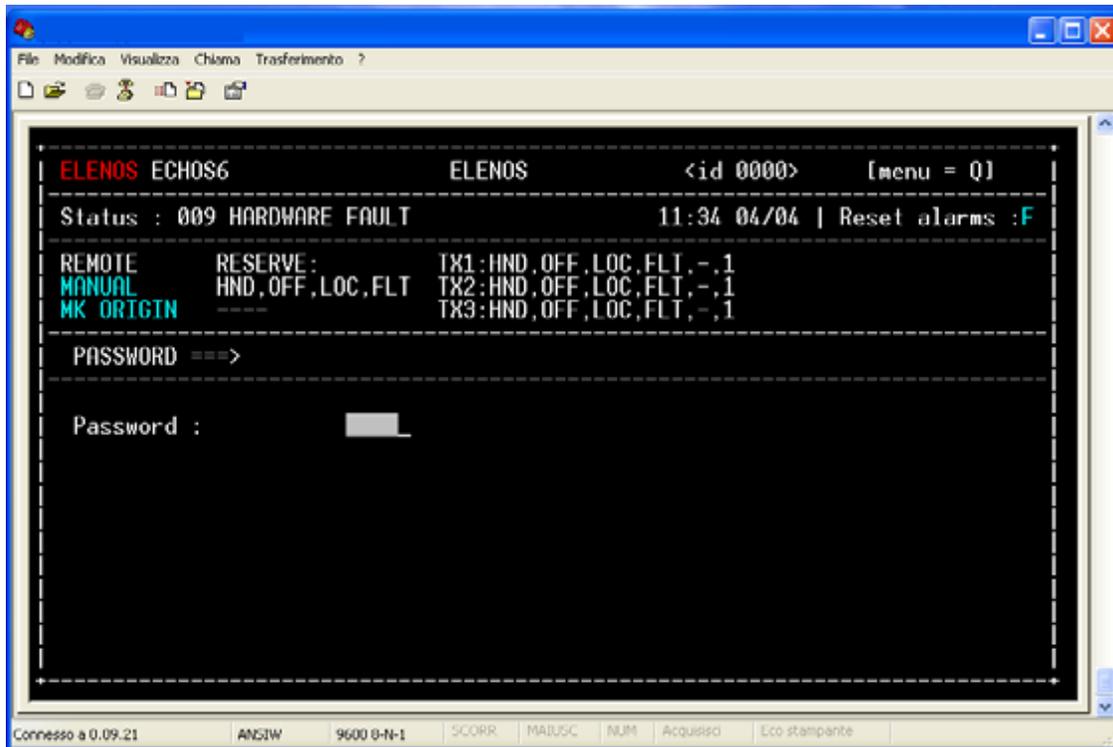


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Change the value of the field by using the “four arrows” keys, either up or down.
Confirm by pressing ENTER.
PASSWORD

Select the password field by selecting “K” from the main menu.



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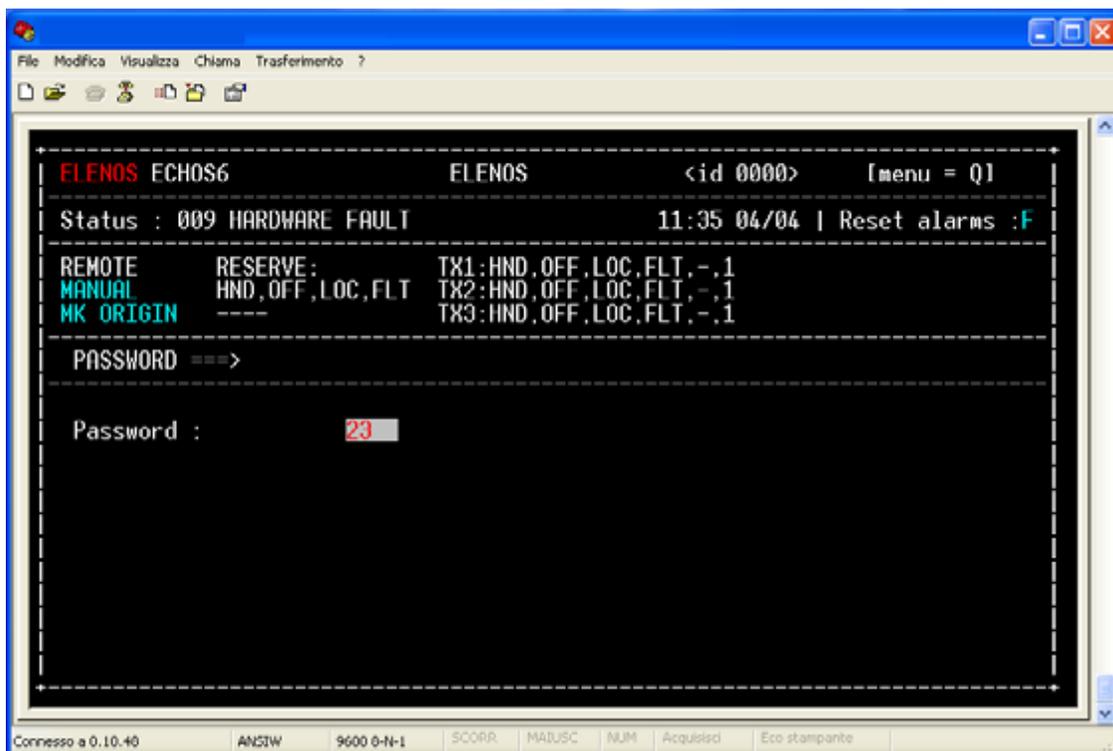
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Once inside the menu, press ENTER, type in the password value, and confirm by pressing ENTER again, as shown on the next page.



CORRECTIONS

Go to the selected field, and use the backspace key on the PC keyboard to correct.



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FIELD UPDATE

Some fields, after entering the new value, need to be updated.

An example is the date and time parameters, which are updated by changing the field at the bottom right of the screen from FALSE to TRUE, as shown below. Note that this change may take a few moments.

```
File Modifica Visualizza Chiama Trasferimento ?
ELENOS ECHOS6          ELENOS          <id 0000>      [menu = Q]
Status : 009 HARDWARE FAULT          11:37 04/04 | Reset alarms :F
REMOTE      RESERVE:      TX1:HND,OFF,LOC,FLT,-,1
MANUAL      HND,OFF,LOC,FLT TX2:HND,OFF,LOC,FLT,-,1
MK ORTGNTN  -----      TX3:HND,OFF,LOC,FLT,-,1
-----
SYSTEM SETTINGS ==>
Front 485 Id      (n.):      0      Pager Id:      0      Station Id:      0
TcTs 485 Id      (n.):      0
User password    (n.):      0000    Show Display On Remote : TRUE
System password (n.):      0000    COM1 Speed      : 9600
Alarm bits SMS/PSTN default: FALSE
Power Up Time    (sec.): 300
System configuration --> n*3
TX On/Off mode   TRUE
External audio matrix: PRESENT
-----
Actual date      : 04/04/2011 01 11:37:19
New date         : 04/04/2011 01 11:36:53      UPDATE : FALSE
```

ENDING COMMUNICATIONS

To terminate the communications link, type 2, 3, or 4.

Questions?

Contact ELENOS USA Customer Service, at the number below:

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