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## **LBC-02/IP**

### **TELNET VT-100 EMULATION**

COMPATIBLE

### **AS/400, Unix, Linux, Windows**

Documentation Version (07/08/2007)



Use this documentation with the product : **LBC-02/IP**

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# LBC-02/IP

## TELNET VT-100 EMULATION

### DEFAULT KEYBOARD MAPPING:

M1 = F1 (ESC 1)  
M2 = F2 (ESC 2)  
M3 = F3 (ESC 3)  
M4 = F4 (ESC 4)  
M5 = TAB (ASCII 9)  
ESC = RESET (ESC R)

### LBC-02 KEYPAD SEQUENCES (Make this sequence directly on the LBC-02/IP KeyPad):

ESC . 0 = Go to BOOT mode (*In terminal Mode*)  
ESC . 1 = Reset TCP/IP connection and Close TCP connection (*In terminal Mode*)  
ESC . 9 = Show IP Configuration (*In terminal Mode*)  
ESC . H = Cursor position HOME (*In terminal Mode*)

### BARCODE AND TTLIN SUFFIX CONFIGURATION, IF YOU SEND THIS SEQUENCE AT LINE 3 OR MORE :

><A = SUFFIX ASCII 13 (ENTER)  
><B = SUFFIX ASCII 9 (TAB)  
><C = SUFFIX ASCII 0 (NOTHING)

### BARCODE PREFIX CONFIGURATION, IF YOU SEND THIS SEQUENCE AT LINE 3 OR MORE :

><Fxx = PREFIX ASCII xx (00 to FF) \*00 = nothing

### TTL OUTPUT, IF YOU SEND THIS SEQUENCE AT LINE 3 OR MORE :

- **Output TTL x ON/OFF**
  - ><Txy
  - x = TTL Number 1 to 4
  - y = E for Enable or D for Disable
  - Sequence example, set TTL output 2 to ON: ><T2E
- **Output TTL x during y seconds (*y = +- 1 second*)**
  - ><TxTy
  - x = TTL Number 1 to 4
  - y = Delay (*Two digits*)
  - Sequence example, set TTL output 2 to ON during 4 seconds: ><T2T04

**KEYBOARD CONFIGURATION, IF YOU SEND THIS SEQUENCE AT LINE 3 OR MORE :**

>><K0 = Barcode set to OFF  
>><K1 = Barcode set to ON  
>><K2 = Keyboard set to OFF  
>><K3 = Keyboard set to ON  
>><K4 = Keyboard and Barcode set to OFF  
>><K5 = Keyboard and Barcode set to ON  
>><K6 = Keyboard mapping for UNIX  
>><K7 = Keyboard mapping for AS/400  
>><K8 = Keyboard AS/400 M5 = F5  
>><K9 = Keyboard M5 = TAB  
>><KH = Keyboard AS/400 ESC = F12

\* In mode Keyboard and/or Barcode OFF, the Light LED of your terminal is locked to ON

**GENERAL CONFIGURATION, IF YOU SEND THIS SEQUENCE AT LINE 3 OR MORE :**

>><KT = Disable Time and Date display  
>><KJ = Half Duplex mode (*Default*)  
>><KK = Full Duplex mode  
>><KL = CapsLock ON (*Default*)  
>><KM = CapsLock OFF  
>><KN = Change cursor position: Line 2 Column 1  
>><KZ = ESC  
>><KPx = Pause x, 1 = .5 secondes (possible values 1 to 9, A to Z, a to z)  
>><KWx = Watch dog configuration 0 = OFF, 1 = ON

**GENERAL CONFIGURATION, IF YOU SEND THIS SEQUENCE AT ANY POSITION:**

>><KI = Clear Screen

**KEYBOARD DEFINES, IF YOU SEND THIS SEQUENCE AT LINE 3 OR MORE (Ver. 1.4L or more):**

>><KAx = Key M1 = character x  
>><KBx = Key M2 = character x  
>><KCx = Key M3 = character x  
>><K Dx = Key M4 = character x  
>><KEx = Key M5 = character x  
>><KFx = Key ESC = character x  
>><KGx = Key ENTER = character x

If x = . then Key = Default value

If x = - then Key = Tab

**TTL IN Enable / Desable / Request Status, , IF YOU SEND THIS SEQUENCE AT LINE 3 OR MORE :**

><TxIy

x = TTL Number 1 or 2

y = Sets the terminal TTL IN x to 0-DESABLE, 1-ENABLE 2-Request Status (Default = Disable)

Sequence example, set TTL input 2 set to Enable: ><T2I1

**TTL IN RETURN: &xy**

x = TTL Number 1 or 2

y = Status 0 or 1

Sequence example, TTL input 2 change: &21

**LIGHT LED AND EMIT SOUND, IF YOU SEND THIS SEQUENCE AT LINE 3 OR MORE :**

><H = Light LED

><I = Emit SOUND

><J = Light LED and Emit SOUND

><L0 = Barcode BIP validation OFF

><L1 = Barcode BIP validation ON

**SET CURRENT DATE AND TIME, IF YOU SEND THIS SEQUENCE AT LINE 3 OR MORE :**

><EHHMMSSE = SET THE CURRENT TIME

><DMMDDYYD = SET THE CURRENT DATE

**SHOW TIME, THE TERMINAL REPLACES THIS CHARACTER BY THE CURRENT TIME:**

CHR(240) or > = Show and refresh time.

**SHOW DATE, THE TERMINAL REPLACES THIS CHARACTER BY THE CURRENT DATE:**

CHR(241) or < = Show and refresh date.

**CHANGE CURSOR POSITION:**

Chr(27) + "[" + POS\_Y + ";" + POS\_X + "H"

**CLEAR SCREEN:**

Chr(27) + "[2J"

# IP CONFIGURATION WITH BoardConfig SOFTWARE

## BOARD CONFIG VERSION 1.1E or more

1. Select the terminal in **IP DEVICES LIST** (click)
2. Enter the **IP** and **Net Mask** of this terminal (**Bauds = 57600 Parity = 0 Databits = 0**)
3. Check the **MODE ACTIVE & KeepAlive**
4. Enter the **Host IP** and (**Host Port = 23**)
5. Check the **Auto Boot**
6. Enter your **login string**

Example: `~~USER^9^PASSWORD^13^`

Description: [Pause .5 Secs.] USER [TAB] PASSWORD [ENTER]

7. Push the button: **SAVE CONFIG IN TO IP DEVICE**

### AS/400 WORKSTATION ID:

- \* BoardConfig software version 1.1L or more supports WORKSTATION ID for AS/400
- \* This functionality is available on SYMCOD DEVICE VERSION 1.9A and more.
- \* You can see your product DEVICE VERSION in the BOARD CONFIG software.

### MODE PASSIVE

\*To open a connection with the LBC-02/IP in mode PASSIVE use the port: 1024

### In TERMINAL mode you can:

- Press successively ESC. 0 to return to BOOT mode
- Press successively ESC. 1 to reset TCP Connection
- Press successively ESC. 9 to see the terminal IP configuration
- Press successively ESC. H to Change cursor position: Line 1 Column 1