

File: BASIC-AE.XML

This manual provides an introduction to the **BASIC-AE.XML** file.

This file contains test and diagnostic routines for the **TRM816/416** and is loaded into the device in its factory-default configuration. The XML file named **trm-code.XML** can be loaded into and executed on a TRM with an XML code processor at any time.

The software contains several user menus, which can be accessed using the **UP** and **DOWN** keys. Please always note the **version number** displayed in the first user menu.

Important note:

The program file to be executed must be named **trm-code.XML**.

If you upload **BASIC-AE.XML**, you must **rename the file to trm-code.XML before uploading it**.

Installation

Use an FTP client to connect to the terminal. Use the IP address of the terminal to establish the connection.

The login credentials are:

User: xml

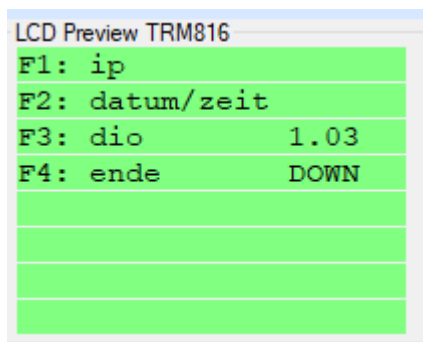
Password: xml

Once the connection has been established, you will automatically be in the directory of the CF card.

Default: The currently installed program file is named **trm-code.XML**. Make a backup of this file if you want to use it again later, e.g. by renaming it on the CF card or downloading it to your computer.

Then upload **BASIC-AE.XML** from this directory and replace the existing **trm-code.XML** file with it. Afterwards, reboot the device. This can be done either via a **Restart menu** within the running program (if available), via a **Telnet connection** using the command `init6`, or by disconnecting the power supply. If you disconnect the power supply, wait a short time before reconnecting it. After booting, the test application will be loaded and started automatically.

Menu 1



The screenshot shows a terminal window titled "LCD Preview TRM816". It displays a menu with four options, each on a green background with black text. The options are: F1: ip, F2: datum/zeit, F3: dio 1.03, and F4: ende DOWN. Below these are four empty green lines.

F1: ip	
F2: datum/zeit	
F3: dio	1.03
F4: ende	DOWN

****F1: IP****

Set the IP network settings.

****F2: Date/Time****

Set the internal hardware clock.

****F3: DIO****

Set the internal digital IN / digital OUT to selected values.

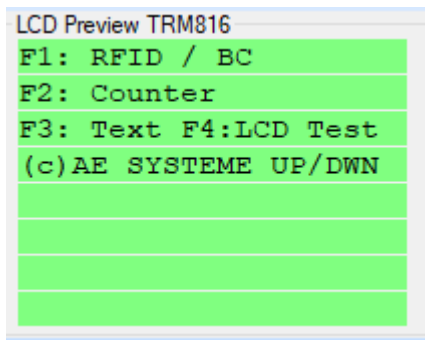
****F4: Exit****

Stops the software immediately and returns to the system.

****Down Key****

Go to the next menu.

Menu 2



****F1: RFID / BC****

This menu allows you to test the serial RS232 interfaces COM1 and COM2. Data received via COM1 or COM2 is displayed on the screen, e.g. barcodes, RFID transponders, or similar devices. After pressing a key, the next reading can be performed.

****F2: Counter****

Activates the counter to count pulses on the digital IN. The number of pulses and the calculated frequency are displayed during the test.

****F3: Text****

This menu allows you to test the keyboard. All keys can be pressed and checked for proper operation. Press the **ENTER** key to exit the test.

****F4: LCD Test****

Starts the LCD test. After starting the test, you will see a full display to verify all pixels, characters, and numbers. Press any button – the display will start a sequence and automatically toggle between different values. All characters on the display are used.

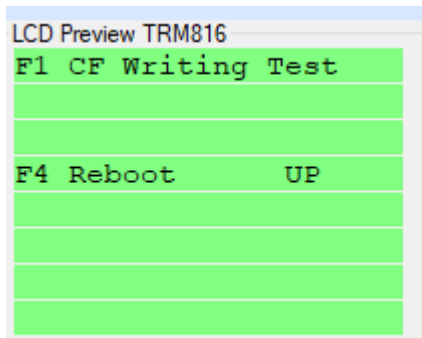
****Button Down:****

Jumps to menu 3.

****Button Up:****

Jumps back to menu 1.

Menu 3



****F1: CF Writing Test****

Writes the current date/time and counter 100 times to a file on the internal CF card. You can download the file and check its contents when the test is finished. Otherwise, you can abort the test at any time.

****F4: Reboot****

Reboots the system completely and starts the software again.

****Button Up:****

Jumps back to Menu 2.