

Operating Instruction R-CON RS232-Remote-Bridge Tool for Tixi L and Tixi XL

Overview

The R-CON RS232-Remote-Bridge Tool allows dialup into a Tixi L or Tixi XL device. This enables remote control and remote configuration of devices connected to the RS232 interface of the Tixi L or Tixi XL.

The RS232 data format of the connected devices may be adjusted for individually, which allows remote operation of devices which, for instance, use 8 data bits and one parity bit.

The access to the connected device is secured by a username/password protection incorporated in the Tixi device.

Preparation

As a local device, one may use a Tixi Super Modem, a Tixi-Mail Box, a Tixi L/XL or even a generic modem which supports the standard Hayes AT commandset.

The remote Tixi device must be set to accept calls.
(Database USER/USER ->RingCounter=1)

In order to protect it against unauthorized access, a username and password must be set in the User-Login database of the remote Tixi device.

Operation

1. Connect the local device (the one used to dial into Tixi) to a serial port of your PC, to the phone line and to power supply. In case you're using a Tixi modem locally, this must be in modem mode (visible by the lit ModemMode LED).
2. Install and start the R-CON RS232-Remote-Bridge Tool.
3. The program checks for connected modems. If none is found, check the serial parameters which are described below.
4. Use the [Configure] button to set some options, which are described below as well.

The **Connection Name** can be chosen at will.

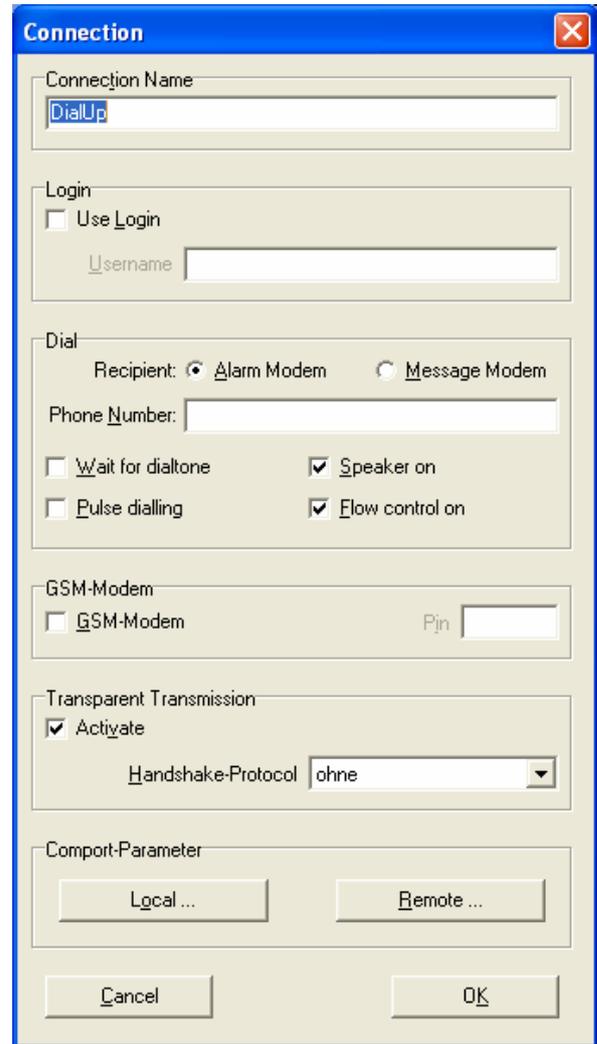
In case the remote Tixi is password-protected, the **Login** must be enabled and the proper **Username** given. The password is to enter at the main page.

Enter the remote **Phone Number** here, along with various dial parameters

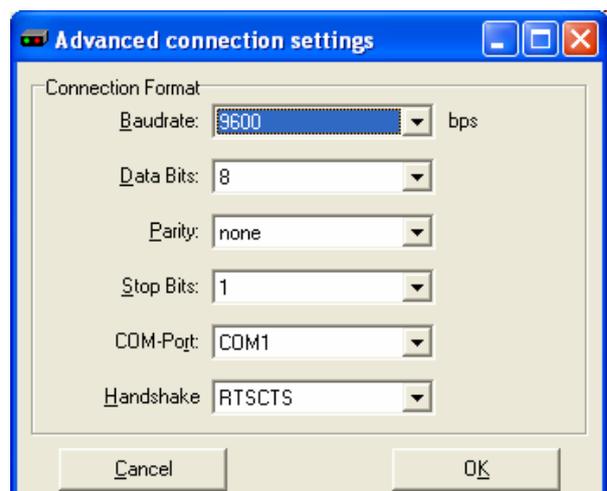
When using a **GSM-Modem**, check this option and enter the **PIN** of the SIM card used.

Set here if to establish a transparent connection to the remote device's RS232 port (eg to remote-control connected a device).

Use these buttons to open some advanced settings for local and remote site. This dialog holds the same options for either local and remote and is described below.



Set the connection format here which is used for the local (resp. remote) serial connection.



COM-Port selects the utilized interface. For remote Tixi with I/O cards, their respective address must be set here. For Tixi without I/O cards and just one serial port, set this to MB (mainboard).



Connection Process

First, set the local COM port parameters. A modem is searched for and initialized. If successful, a [Connect] button will be available. If not so, check all parameters and if some other application blocks the COM port.

Once the local modem is detected, set all other parameters.

Click on [Connect] in order to establish a connection to the remote device. If set so, a transparent connection to the remote serial port is made.

If successful, the status field displays "Connect" and a timer for this connection and the R-CON tool releases the COM port, without breaking the phone connection.

Now you may use some other application to access the remote device via the local COM port. For instance, use a terminal software to send TiXML commands to the remote Tixi device. Or start the control software for the remote device connected to Tixi and use the transparent connection to remote-control it.

Use the [Disconnect] button to close the remote connection.