Remote communication set for Xtender systems **Xcom-LAN**

Quickguide





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How to configure and



to install the Xcom-LAN

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FAQ

Xcom-LAN

I don't have a DHCP server in my network. What should I do?

By default, the Xcom-LAN is in DHCP/ BOOTP mode. You can set a static IP address by accessing the gateway.

- 1. Open your browser
- 2. Enter the default IP address in the address bar (indicated on the back of the gateway)
- 3. Enter the password (default password: xcomlan)
- 4. Click on "Network Settings" in the navigation bar
- 5. Change IP configuration from "DHCP/ BOOTP" to "Static"
- 6. Set IP address, netmask, gateway and DNS server
- 7. Click on "Submit"
- 8. Click on "Save/Restart"

My Xcom-LAN is connected to a company network. What should I do?

The TCP port 83 may be blocked due to security settings. Please change the outbound rule for this port.

My Xcom-LAN is well-configured and connects to the server, but I can't register it with the given GUID. What should I do?

Check the Moxa's TX counter (see Moxa web interface -> monitor -> Async -> TxCnt). If this counter is at zero, the Xcom's TX line is damaged and must be replaced. Please contact the Studer Innotec support in order to replace your set.

Xcom-portal

I can't register my new installation. What should I do?

To register a new installation, the installation needs to be:

- 1. Configured correctly and in accordance with the user manual.
- 2. Have been connected to the server at least once.

In order to validate that the installation has been correctly configured, the Xcom system info (available on the RCC connected to the system) should indicate either Xcom-LAN (for an installation with Xcom-LAN) or Xcom-GSM (for an installation with Xcom-GSM).

To validate that the connection with the installation is well established, control that the RCC displays the message "Server connected" when turning on the installation.

There are no datalogger files in the Datalogger tab. What should I do?

If the installation is new and the Micro SD card of the Xcom-LAN/-GSM is empty, it is normal that there are no files on the server.

To activate the automatic recovery of the Datalogger:

- 1. The Xcom-LAN/-GSM needs to have a software version higher than 1.5.36
- The datalogger needs to be activated on the Xcom-LAN/-GSM (the green LED should be continuously lit).
- 3. The Xcom-LAN/-GSM needs to have a micro SD card inserted continuously

LED states

LAN gateway LEDs

LED name	LED colour	State	Indication
Ready	Red	Always On	Power is on and the NPort is booting up.
		Blinking	Indicates an IP conflict, or DHCP or BOOTP server is not responding properly.
	Green	Always On	Power is on and the NPort is functioning normally.
		Blinking	The NPort has been located by the NPort Administrator's Location function.
	-	Off	Power is off, or a power error.
Link	Orange	Always On	10 Mbps Ethernet connection.
	Green	Always On	100 Mbps Ethernet connection.
	-	Off	Ethernet cable is disconnected.
Tx/Rx	Orange	Always On	Serial port is receiving data.
	Green	Always On	Serial port is transmitting data.
	-	Off	No data is being transmitted or received through the serial port.

Xcom-232i LED

LED colour	State	Indication
Red	Blinks (Ton = 50 % Toff = 50 %)	Updating process. During the Xcom-232i updating process (after insertion of a MicroSD card containing the updates), the signalisation LED blinks in red with a cyclical ratio of 50 %.
	Always on	Error during update or back up of the data logger. If the Xcom-232i detects an error, the signalisation LED is continuously red.
	Blinks (Ton = 10 % Toff = 90 %)	MicroSD card full. If the Xcom-232i detects that the MicroSD card is full, the signalisation LED blinks in red with a cyclical ratio of 10 % .
Green	Always on	<i>Data logging.</i> When the data logging function is activated, the signalisation LED is green.
	Blinks continuously (Ton = 20 % Toff = 80 %)	Communication (via RS-232 connection). When the communication via the RS-232 connection is active, the signalisation LED blinks in green with a cyclical ratio of 20 %.
	Blinks 2x	In operation. The signalisation LED blinks in green twice when the Xcom-232i is in operation and none of the above mentioned states is indicated.
Orange	On 1.5s	Insertion of the SD card. When inserting an SD card, the signalisation LED is both red and green simultaneously for 1.5 second.

If several of the three states indicated by the red LED light occur simultaneously, they will be displayed in the following priority order:

- Update processing
- Error during updating
- MicroSD card full

If the two states indicated by the green LED light occur simultaneously, the signal indicating communication via RS-232 connection is reversed (Ton=80% |Toff=20%).

Legal notices

WARRANTY AND LIABILITY

Exclusion of warranty

No warranty claims will be accepted for damages caused by handling, operation or actions that are not described in this manual. Damages arisen from the following events are not covered by the warranty:

- Overvoltage on the device.
- Liquid in the device or oxidation due to condensation.
- Damage resulting from a fall or a mechanical shock.
- Modifications carried out without the explicit authorization of Studer Innotec SA.
- Nuts or screws partially or insufficiently tightened during installation or maintenance.
- Damage due to atmospheric overvoltage (lightning).
- Damage due to transport or inappropriate packaging.
- Disappearance of original identification marks.

Disclaimer of liability

Installation, commissioning, use and maintenance of this device cannot be supervised by Studer Innotec SA. For this reason, we do not accept any liability for damages, costs or losses generated either by an installation that is not conforming to the prescriptions, by a defective operation or by poor maintenance. The use of this device is under the responsibility of the end-user. This device is neither designed nor guaranteed for the supply of life support applications or any other critical application with potential risks for human beings or for the environment. We shall assume no liability for patent infringement or other third party rights involved in the use of this device.

Compatibility

Studer Innotec SA guarantees the compatibility of the software updates with the hardware for one year, starting from the date of purchase. The updates are no longer guaranteed beyond this date and a hardware upgrade may be required. Please contact your reseller for any additional information on compatibility.

SAFETY PRECAUTIONS

Generalities

Carefully read all safety instructions before proceeding with the installation and commissioning of the device. Failure to follow these instructions might constitute a lethal physical danger but can also damage the functionalities of the device. Therefore this manual should be kept close to the device.

For any installation, the local and national norms and regulations in force must be strictly followed.

Warnings

- The installation and commissioning of the communication sets must be entrusted to skilled and qualified personnel perfectly aware of the safety precautions and local rules in force.
- All components connected to this device must be conforming to the laws and regulations in force. Persons without a written authorization from Studer Innotec SA are forbidden to do any changes, modifications or repairs whatsoever. Regarding authorized modifications and replacements, only genuine components shall be used.
- This device is meant for indoor use only and must under no circumstances be exposed to rain, snow or any other humid or dusty environment.
- If used in motor vehicles, this device must also be protected against vibrations by shock absorbing components.

EU DECLARATION OF CONFORMITY

The communication set Xcom-LAN described in this manual meet the requirements specified in the following EC directives and norms:

Low Voltage Directive (LVD) 2014/35/EU - EN 62368-1:2014

- Electromagnetic Compliance (EMC) Directive 2014/30/EU
- EN 61000-6-2:2005
- EN 61000-6-4:2007/A1:2011