

## **Tixi Alarm Modem + TILA2 for Mitsubishi FX Remote Access**

QI-TMFX-EN, V1.2  
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### **1 Working setup examples**

The following setup configurations have been successfully tested.

- Tixi HSM to Tixi HM
- Tixi HSM to Tixi HG

#### **1.1 Tixi HSM to Tixi HM**

##### **GX Developer:**

COM Port setting: 9600/7E1

##### **Remote side:**

FX serial port setting: 9600/7E1

FX connected to Tixi HM COM1 or COM2

##### **TILA-Settings:**

Connection: "PLC - via telephone line"

AT init: empty

PLC:

COM-Port: COM1 or COM2

Baudrate: 9600

Data Bits/Parity/Stop Bits: 7E1

Handshake:

RS232: none

RS485 2wire: RS485 Half Duplex

RS422/485 4wire: RS485 Full Duplex

#### **1.2 Tixi HSM to Tixi HG**

Due to GSM timing issues it is recommended to use the GX (IEC) Developer dialer "TEL (FXCPU)" instead of TILA to establish the connection. This requires the "AutoTransMode" option of the Tixi Alarm Modem (supported by FW 2.2.12.0).

##### **Local side:**

Modem: Tixi HSM

##### GX Developer 8.32J Settings:

->Online->Transfer Setup->Serial -> 9600bps 7E1

->Online->Transfer Setup->PLC Module -> activate "via MAC/MTA transparent mode"

->Online->Transfer Setup->Other Station, No Spec -> 10s / 5 times

##### TEL (FXCPU) Settings:

Connect Way: Auto

Line Type: Tone

Port: COM1

Parity: even

Industry Modems • Analog+ISDN+GSM/GPRS  
Alarmler • Datenlogger • Web Server  
Fax • SMS • Email • Express-Email

Call Number: insert phone number  
AT Command: Modem Standard  
GSM: 5000

**Remote side:**

FX serial port setting: 9600/7E1  
FX connected to HG COM1 or COM2

Activate AutoTransMode via TILA support console:

```
[<SetConfig _="ISP" ver="v">  
<AutoTransMode>  
<No1 _="+49301234567" transmode="COM1" baud="9600" format="7E1"/>  
</AutoTransMode>  
</SetConfig>]
```

The phone number No1 must be the number of the dialing Tixi HSM.  
Choose the transmode COM-Port where the FX is connected to.  
The settings must be uploaded after each project change!