# F2116 GSM/GPRS MODEM PACKAGE

**ANTENNA with 0,5m cable and SMA connector**

**RS-232 0,5m cable**
**With terminals one side**

| | | |
|---|---|---|
| TX | BROWN | |
| RX | BLUE | |
| GND | BLACK | |

RS-232

**GSM / GPRS MODEM**

**POWER SUPLY with 1m cable**

Power Supply

| PWR |
|---|
| GND |

**CONNETTOR**

| PWR | GND | GND | RX | TX | A | B | IO1 | IO2 | IO3 | ADC1 | ADC2 |
|-----|-----|-----|----|----|---|---|-----|-----|-----|------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

F2116
GPRS
IP MODEM

Online
Act
Power

Operating Voltage
+5V~36VDC

厦门四信通信科技有限公司
http://www.four-faith.com
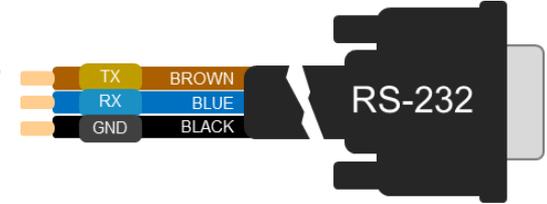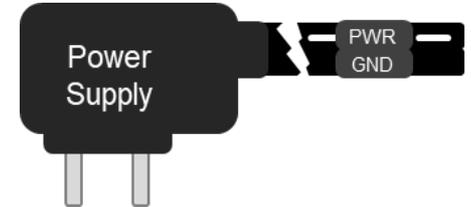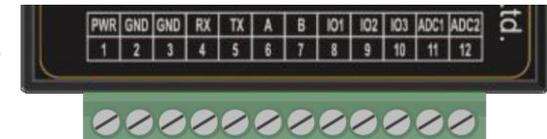
# F2116 GSM/GPRS MODEM WIRING
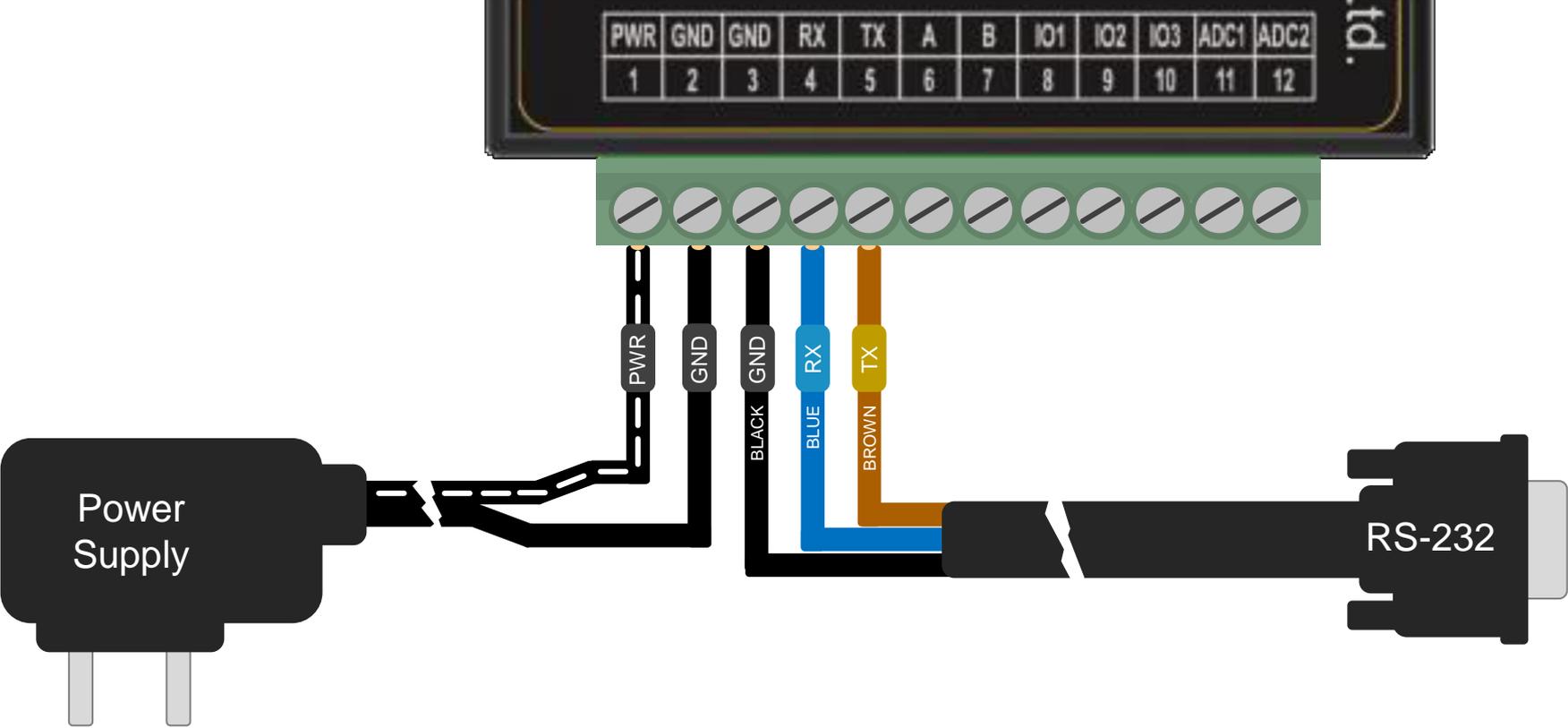
# F2116 GSM/GPRS MODEM CONFIGURATION

**Step 1**
**Copy the DTUconfigTool folder in TelevisGo desktop (or use an USB pen-drive instead)**

COM2

DTUconfigTool-V1.9.2-20210723
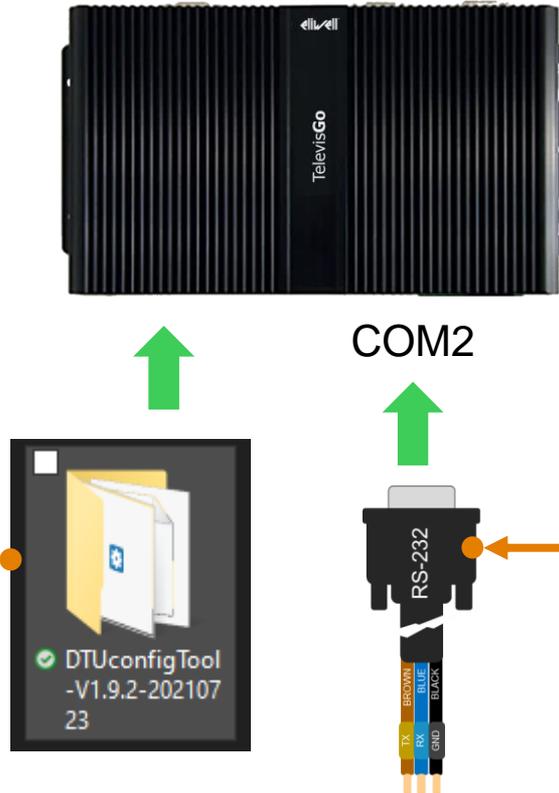
**Step 2**
**Connect the modem to TelevisGo COM2 serial port (or choose another port if in use)**

**DO NOT POWER THE MODEM**

# F2116 GSM/GPRS MODEM CONFIGURATION

**Step 3**
**Run/Execute DTUconfigTool from the desktop folder (or from the USB pen drive previously connected)**

**Step 4**
**Choose English from the drop-down list**

DTUÅäÖÃ'¤¾ß V1.9.2

??

???:  COM3     ???:  115200

??:   8N1            ??

??

??:   ??             ??

????

????

Ìþ°ïÕúÏÄ¼þ¡°Help.txt°

????  ????  ????  ????  ????  ????

×1–£¶Ï½øÊëÁäÖÅ   2021Äê03ÔÂ26ÉÕ V1.9.2
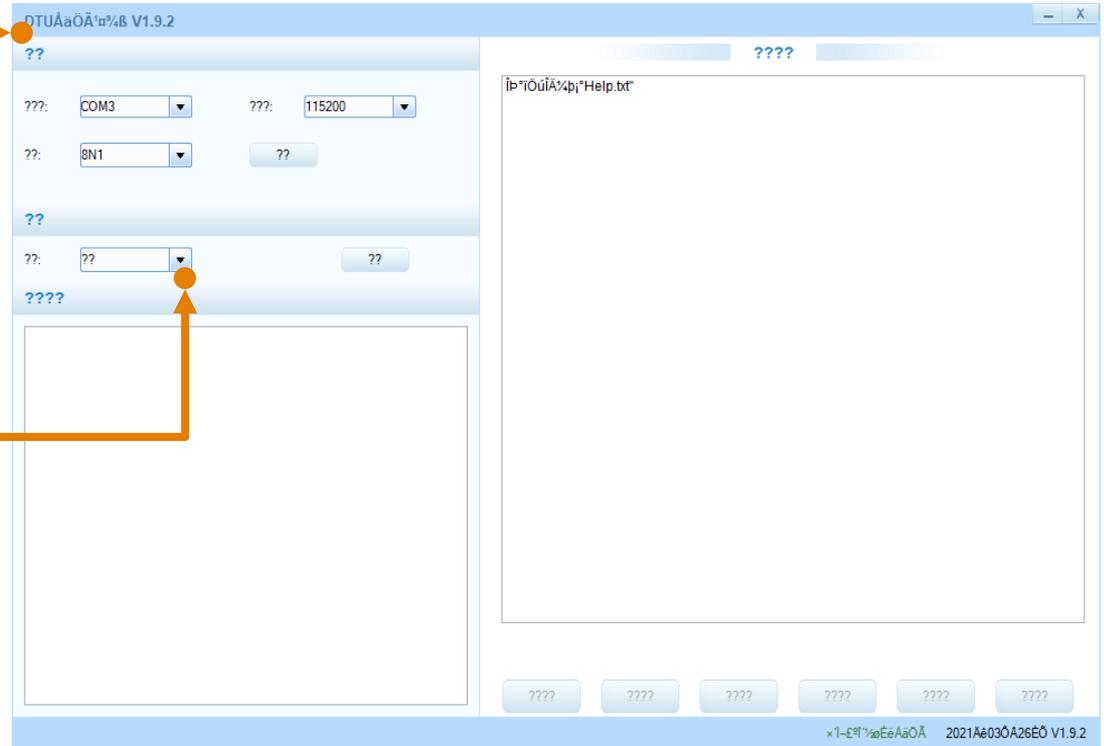
# F2116 GSM/GPRS MODEM CONFIGURATION

**Step 5**
**Configure**
- **COM2 (or other you have choosen)**
- **BaudRate 115200**
- **Check 8N1**

**Step 6**
**Click [ Open ] button**

DTUConfigureTool V1.9.2

**Serial F**

Com  COM3    BaudRate 115200

Check 8N1    Open

**Help**

Help file does not exist!

**Other**

Language: English    Clear

**Log information**

Login    Quit    Save    LoadParam    Restore    Backup

Status: LogOff    2021/03/26 V1.9.2
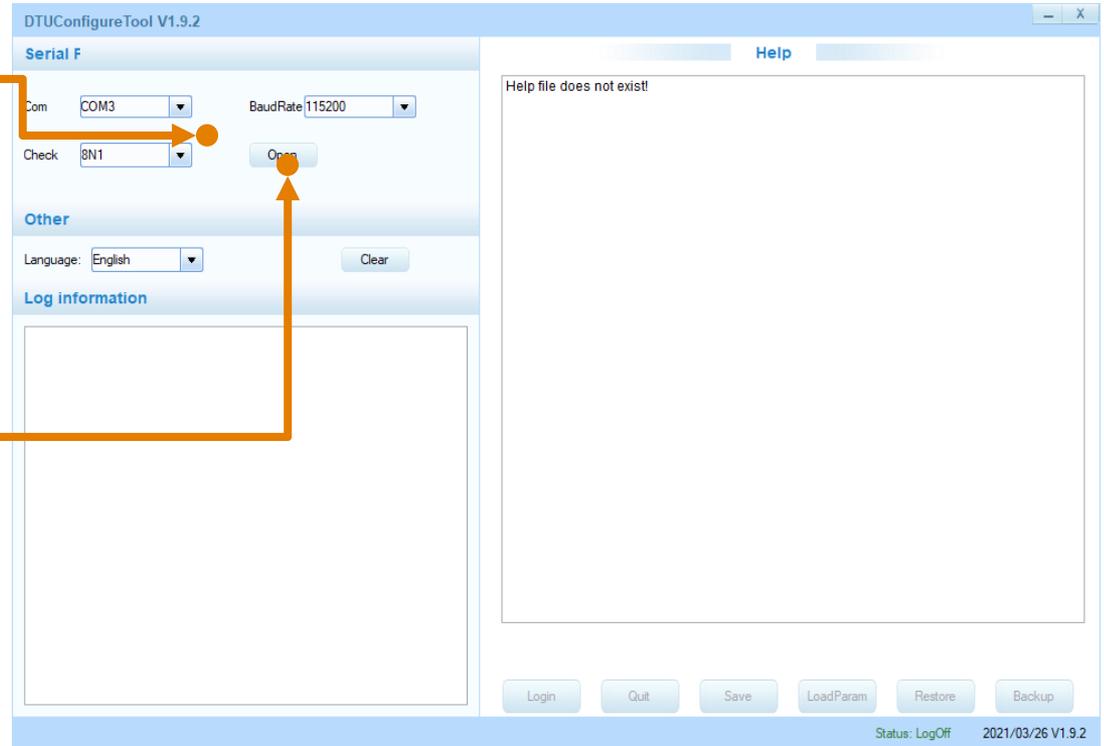
# F2116 GSM/GPRS MODEM CONFIGURATION

**Step 6**
**Power the modem**
**Or Unpower then re-power the modem in case it was already powered**

Power Supply

PWR
GND
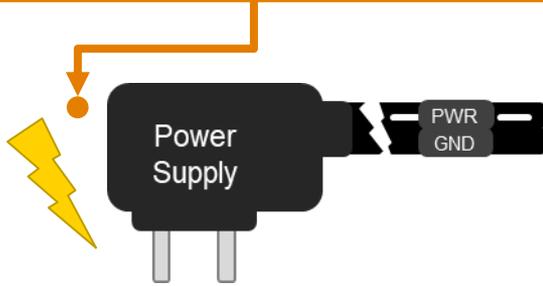
**Step 7**
**In few seconds the Log Information are filled and buttons are unlocked**

**Step 8**
**Click [ LoadParam ] button**



DTUConfigureTool V1.9.2

**Serial F**

Com    COM2          BaudRate 115200

Check  8N1           Close

**Configure**

Work Mode | Data Center | Serial Port | I/O | Dial | Global Param | Device N | ← | →

**Protocol Setting**

Work Mode

**Trigger Setting**

Trigger Type

**Debug**

Debug Level          Debug Port

**Other**

Clear Serial Buffer

**Other**

Language: English          Clear

**Log information**

>>>Click on [Login] button or re-power modem to enter configuration state.
***********************************************
APPLICATION VERSION: V1.2.0
CUSTOMIZATION: F2X16V4_Standard_V1.0.0
RELEASE TIME : Jun  2 2022 11:51:21
LIB VERSION  : USB_LIB_V1.0.0 Feb 23 2022 14:45:17
***********************************************

System started!
Press 's' key continuously to enter configure program.
Four-Faith IP Modem CONFIGURE PROGRAM:
Use the extended AT commands to configure the IP Modem
Input "AT+LIST<cr>" For help.

Login    Quit    Save    LoadParam    Restore    Backup

Status: Login    2021/03/26 V1.9.2

# F2116 GSM/GPRS MODEM CONFIGURATION

**Step 9**
**In few seconds more the Log Information are read from the modem and reported here**

**Step 10**
**Change Work Mode to value «TRNS» from the drop down list**

# F2116 GSM/GPRS MODEM CONFIGURATION

**Step 11**
**Options and tabs reduces as in the picture**

**Step 12**
**Press [ Save ] button**

DTUConfigureTool V1.9.2

Serial F

Com COM2    BaudRate 115200

Check 8N1    Close

Other

Language: English    Clear

Log information

HTTP Content-Type: application/json
MQTT Client Id:
MQTT User Name:
MQTT Password:
MQTT Receive Topic:
MQTT Send Topic:
MQTT Product Key:
MQTT Batch Report: 0
MQTT Cache Eanble: 1
Clear Serial Buf: 0
Dev SN: FG7180119870
TimeZone:8
NTP interval:0
NTP server:cn.ntp.org.cn
CLTTIMEOUT: 0
MSBITV: 0
MBTRYCOUNT: 0
Device Type: F2x16V4

OK

Configure

Work Mode    Serial P    Modbus    Operation    ←    →

Protocol Setting
Work Mode TRNS

Debug
Debug Level Level 1    Debug Port COM1

Other
Clear Serial Buffer close

Login    Quit    Save    LoadParam    Restore    Backup

Status: Login    2021/03/26 V1.9.2

Internal

# F2116 GSM/GPRS MODEM CONFIGURATION

**Step 13**
**In Log information you can verify the operation completed successfully with « OK**
**save success »**

**Step 14**
**Press [ Quit ] button to exit from DTUconfigureTool**

DTUConfigureTool V1.9.2

**Serial F**

Com  COM2          BaudRate 115200

Chec  8N1           Close

**Other**

Language:  English          Clear

**Configure**

Work Mode | Serial Port | Modbus | Operation          ←  →

**Protocol Setting**

Work Mode  TRNS

**Debug**

Debug Level  Level 1          Debug Port  COM1

**Other**

Clear Serial Buffer  close

**Log information**

MQTT Reporting Period: 0
MQTT Batch Report: 0
MQTT Cache Eanble: 1
Clear Serial Buf: 0
Dev SN: FG7180119870
Time Zone:8
NTP interval:0
NTP server:cn.ntp.org.cn
CLT TIMEOUT: 0
MSB TV: 0
MBT RYCOUNT: 0
Device Type: F2x16V4

OK
send out:AT+SERBINDCNT2=0

OK
save success
send out:At+PROMODE=TRNS

OK
save success

Login      Quit      Save      LoadParam      Restore      Backup

Status: Login      2021/03/26 V1.9.2

# F2116 GSM/GPRS MODEM CONFIGURATION

**Step 15**
**Optionally move the modem serial connection from COM2 (or different one you have choosen for the procedure) to the final position, e.g. COM3**

COM3     COM2