Operation Quick Start Guide V1.4 (from FW-version V1.03) for

CONNECT
Remote access/machine access
without configuration/IT-knowledge

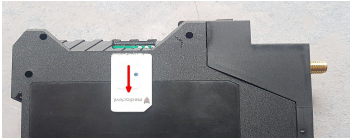## 9354-CONNECT-LTE-HS

Voltage connection :

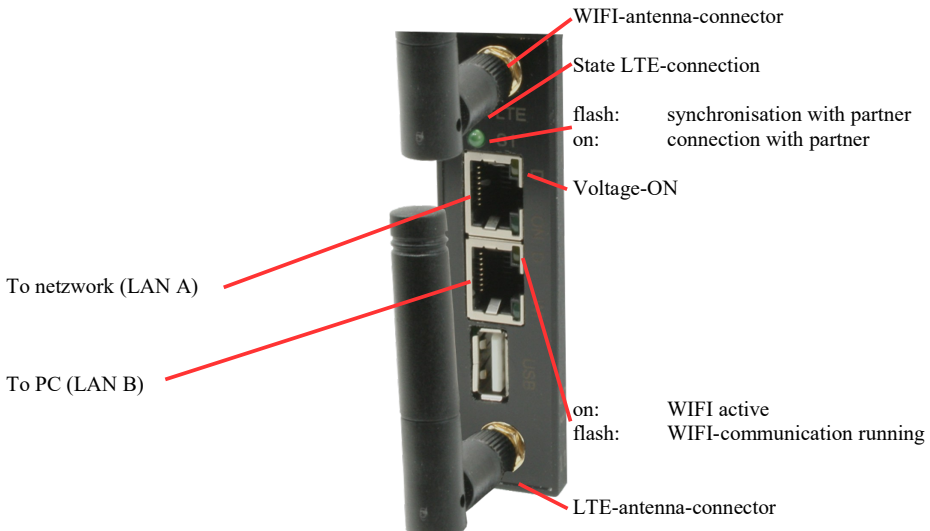Voltage: 24 V DC ± 20%   (Power: 2W)

SIM-card-insert:

Insert the SIM card with the contact side facing down (slanted corner at the front right) into the slot until it clicks. Pressing again releases the card and it can be pulled out.

Connections:

WIFI-antenna-connector

State LTE-connection

flash: synchronisation with partner
on: connection with partner

Voltage-ON

To netzwork (LAN A)

To PC (LAN B)

on: WIFI active
flash: WIFI-communication running

LTE-antenna-connector

First commissioning :
- – CONNECT-device creates WLAN network with SSID "CONNECT WIFI"
- – with active DHCP master (laptop is automatically assigned an IP address)
- – Connect laptop to this WiFi network and open with
  browser the webserver with IP: http://192.168.1.1:

or

LAN-cable in LAN_A-port and open browser webserver with IP: http://192.168.2.1:

commissioning

Before you can start to use the device you will have to set up some basic settings. Afterwards your device will be immediately ready for the communication.
On the page "configuration" you can change these as well as some further settings at any time.

basic configuration

In the first step you have to specify some information about your device. The name and the password are optional.

device name: [   ]

device number: [1   ]

device password: [   ] 👁

[next]

internet configuration:
- – CONNECT (uses the internet connection of the connected PC)

internet configuration

Next you have to configure how your device should establish a connection to the internet. Depending on the selected connection type different parameters are needed.

connection type: ● CONNECT
   ○ GATEWAY
   ○ LTE

router interface: [LAN-A ˅]

PC interface: [LAN-B ˅]

– Gateway (uses own ip-address for internet connection)

internet configuration

Next you have to configure how your device should establish a connection to the internet. Depending on the selected connection type different parameters are needed.

	○ CONNECT
connection type:	◉ GATEWAY
	○ LTE
router interface:	LAN-A ⌄

IP settings

IP configuration:	○ DHCP
	◉ manually
IP address:	
subnet mask:	
internet access:	◉ gateway
	○ proxy server
gateway address:	

– LTE (uses LTE for the internet connection)

internet configuration

Next you have to configure how your device should establish a connection to the internet. Depending on the selected connection type different parameters are needed.

	○ CONNECT
connection type:	○ GATEWAY
	◉ LTE

LTE settings

PIN code:	👁
access point (APN):	internet

Peculiarity:	The APN "internet" is standard for most providers, but can be changed if necessary.
	Insert the SIM card on the right side of the device as shown until there is a slight click, then release the card (it is locked in place)
	[Reverse to trigger, click until noise and let go => Card extends]
	LTE-LED: flashing slowly : Searching network
	permanent ON: Network found
	flashing rapidly : communication

peripheral configuration:
- CONNECT + GATEWAY

peripheral configuration

Here you can select the interface and configure the adresses for the devices (e. g. from a PLC) who can communicate with the devices or the PC from the partner device. When using the connection type CONNECT this step is optional.

interface: [LAN-A ∨]

devices

IP addresses: + [   ]
IP address ranges: + [   ] - [   ]

- LTE

peripheral configuration

Here you can select the interface and configure the adresses for the devices (e. g. from a PLC) who can communicate with the devices or the PC from the partner device. When using the connection type CONNECT this step is optional.

interface: [LAN-A ∨]

IP settings

IP configuration: ○ DHCP
● manually
DHCP server: ☑ enable
IP address: [   ]
subnet mask: [   ]

devices

IP addresses: + [   ]
IP address ranges: + [   ] - [   ]

partner configuration:

partner configuration

In the last step you can specify to which of your other devices the current device should establish a connection automatically. A connection can also be established if necessary via the page "overview".

connection: ☑ establish autoamtically
number: [⬍]
password: [   ] 👁

Explanation of parameters:

device name: Device name (max. 15 characters)
device number: Device number (1-65535) for assigning the connection
                    (no double device numbers allowed, please note !)
router interface: Interface of the CONNECT to the Internet router
                    (depending on the Internet configuration, only sensible possible interfaces are
                    displayed)
PC interface: Interface of the CONNECT to the internet-compatible PC

Web interface (after first configuration):

Open the CONNECT web interface by clicking "http://192.168.1.1" in your browser with an active WIFI-connection. Or connect your PC to the in the first-configuration specified PC-interface using a LAN-cable and enter "CONNECT" in the address-line of the browser.

Click on the 3 stripes in the top left to open the device menu :
   – Overview
   – State
   – Configuration
   – Firmware update

Menu overview (overview of the device) :
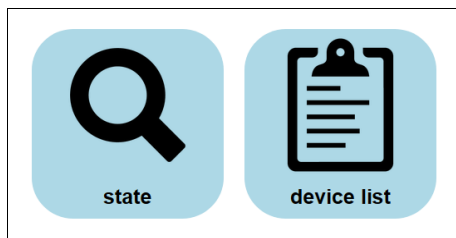
The menu is divided into status and device list. Clicking on the respective area opens a corresponding window. All other menus are shown in this menu frame .

The status display shows parameters of the connection, error messages and information about the connected devices :
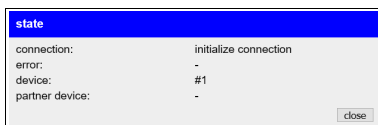
The Device list menu shows all devices available in your cloud. You can also establish and end connections to the other devices.

The status menu shows information about the IP / MAC addresses of the connection and information about the device:

```
┌─ system ──────────────────────────────────┐
│            device type: CONNECT LTE        │
│        firmware version: 1.00              │
│           serial number: -                 │
│             customer ID: 815               │
└────────────────────────────────────────────┘

┌─ device ──────────────────────────────────┐
│                   name: -                  │
│                 number: 1                  │
└────────────────────────────────────────────┘

┌─ interfaces ──────────────────────────────┐
│         connection type: none             │
└────────────────────────────────────────────┘

┌─ LTE interface ───────────────────────────┐
│            IMEI number: -                  │
│           ICCID number: -                  │
│              SIM state: -                  │
│          network state: -                  │
│       network operator: -                  │
│           network type: -                  │
│                 signal: -                  │
│               IP state: -                  │
│            MAC address: -                  │
└────────────────────────────────────────────┘

┌─ LAN-A interface ─────────────────────────┐
│                  state: not connected      │
│            MAC address: c4:93:00:0b:0c:78  │
└────────────────────────────────────────────┘

┌─ LAN-B interface ─────────────────────────┐
│                  state: not connected      │
│            MAC address: c4:93:00:0b:0c:79  │
└────────────────────────────────────────────┘

┌─ WLAN interface ──────────────────────────┐
│                  state: connected          │
│            MAC address: c4:93:00:0b:0c:77  │
│                  BSSID: -                  │
│                   SSID: CONNECT WiFi       │
│                channel: 1                  │
│                 signal: -                  │
│             IP address: 192.168.1.1        │
│            subnet mask: 255.255.255.0      │
│                gateway: -                  │
│             DNS server: -                  │
└────────────────────────────────────────────┘

┌─ USB-LAN interface ───────────────────────┐
│                  state: connected          │
│            MAC address: 00:0e:c6:b2:ed:2f  │
│             IP address: 192.168.0.1        │
│            subnet mask: 255.255.255.0      │
│                gateway: -                  │
│             DNS server: -                  │
└────────────────────────────────────────────┘
```

In the Configuration menu, the expert configuration will be carried out differently from the quick commissioning of the device. For example, you can set the DHCP mode, set IP addresses, and carry out the basic configuration of the device again.

system

device family: CONNECT
device type: ○ CONNECT
● CONNECT LTE
serial number:
customer number: 815
server address: 93.240.109.115
server port: 443

access protection

current config password:

config password

change password: ☐ change password
new password:
repeat new password:

general

restart: execute restart
default settings: set settings
factory default: set factory defaults
support request: create file for support

device

name:
number: 1
password: 👁

partner device

connection: ☐ establish autoamtically
number: 1
password: 👁

interfaces

connection type: ● none
○ CONNECT
○ GATEWAY
○ LTE

LTE settings

PIN code: 👁
access point (APN): internet

LAN-A settings

MAC address: c4:93:00:0b:0c:78
DHCP mode: -
IP address:
subnet mask:
gateway:
DNS server:

LAN-B settings

MAC address: c4:93:00:0b:0c:79
DHCP mode: -
IP address:
subnet mask:
gateway:
DNS server:

WLAN settings

deactivate WLAN: ☐ deactivate WLAN
MAC address: c4:93:00:0b:0c:77
DHCP mode: DHCP server
IP address: 192.168.1.1
subnet mask: 255.255.255.0
gateway:
DNS server:
search: start search
mode: Access Point (AP)
SSID: CONNECT WiFi
security type: open
password: 👁
hide SSID: ☐ hide SSID
channel: 1 🔍

USB-LAN settings

MAC address: 00:0e:c6:b2:ed:2f
DHCP mode: DHCP server
IP address: 192.168.0.1
subnet mask: 255.255.255.0
gateway:
DNS server:

In the Firmware Update menu, the firmware of the CONNECT-device is updated.

firmware update

device version: 1.00
firmware file: Durchsuchen... Keine Datei ausgewählt.
update firmware

To do this, download the current firmware file to your PC from the product page. With Browse you select this file and accept it. The file name is displayed in the user interface for checking. By clicking Update firmware, the firmware file is loaded into the device and burned to the flash memory after a positive check. The device then restarts.

You can find more about the product and the current device manual on the product page of the CONNECT-device.

Menutree Website:

+ Products / docu / downloads
  + Hardware
    + Remote maintenance
      + S5
        + Internet
          + CONNECT devices
            + CONNECT-LTE-HS-Remote-Access

QR-Code Website:

Please make sure to update your drivers before using our products.

Analogue and ISDN - how do they come together?

You have on the plant side only ISDN for telephone, but in your office there is only an analogue system? No problem, you have to install on the clients side the TP-II and activate there the analogue-emulation in the device. No, the modem signals will be send digitalized over ISDN and you can connect to it. So, you will be able to communicate though the telephone systems are different and your client isnt forced to install an analogue connection.