Installazione modem
Moden Installation

Modem 4G per boss/boss-mini
Modem 4G per boss/boss-mini

CAREL

(ITA) **Foglio istruzione**
(ENG) **Technica leaflet**
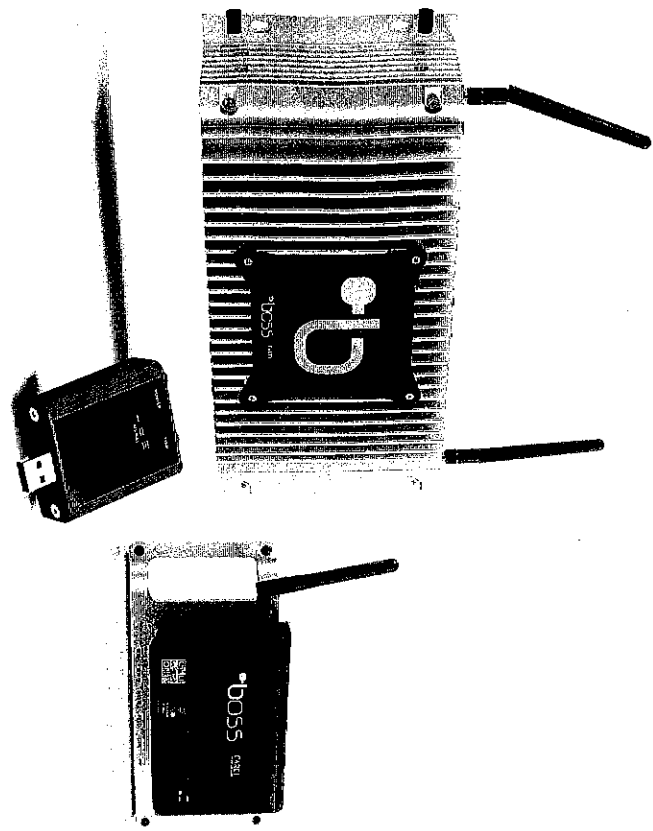
LEGGI E CONSERVA QUESTE ISTRUZIONI
READ AND SAVE THESE INSTRUCTIONS

1. **System administration**: il modem è collegato al boss/bossmini ma nella pagina Network appare la scritta 4G Down

Network	Wi-Fi	Modem	Routes	DNS	Hosts	Proxy

Hostname

boss-0012

Interfaces

4G

FIELD

LAN

- Verificare il funzionamento del modem controllando lo stato dei led (fare riferimento alla quick guide).
- Se lo stato dei led indica che il modem sta funzionando in modo corretto allora è necessario riconfigurare il modem dalla System administration: seguire la procedura Installazione modem.

2. Modem fisicamente collegato al boss ma in System administration manca la riga 4G

Network	Wi-Fi	Routes	DNS	Hosts	Proxy

Hostname

boss-0012

Interfaces

FIELD

LAN

- Verificare il funzionamento del modem controllando lo stato dei led (fare riferimento alla quick guide).
- Se lo stato dei led indica che il modem sta funzionando in modo corretto allora è necessario riconfigurare il modem dalla System administration: seguire la procedura installazione modem.

Content

1. INSTALLING THE MODEM

1.1 How to connect and configure the modem

Prerequisites:
1. Administrator credentials to access system administration
2. Modem kit part number BMHST4GA00
3. Boss or boss-mini with software version >= 1.9.0
4. SIM unlocked (PIN request disabled, if enabled SMS messages cannot be sent)
5. Information for SIM data connection (given by the service provider)
   - User
   - Password
   - APN
   - PIN

VERY IMPORTANT: if the boss or boss-mini is rebooted without a modem connected, the modem settings will be lost and the installation procedure will need to be repeated.
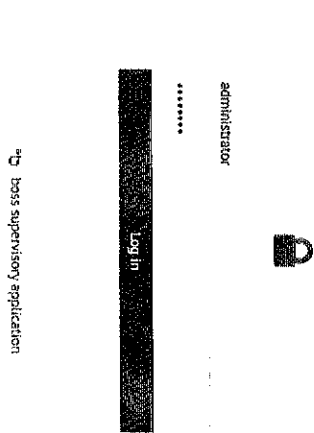
Procedure
1. To install the SIM card and set up data network operation, see the manual (MTCM2 Quick Start).
2. Use the USB extension cable to connect the modem to the boss/boss-mini.
3. Switch the boss/boss-mini on:

- When the device has started, check the LEDs with reference to the manual (MTCM2 Quick Start). Normal operation is shown in the picture.
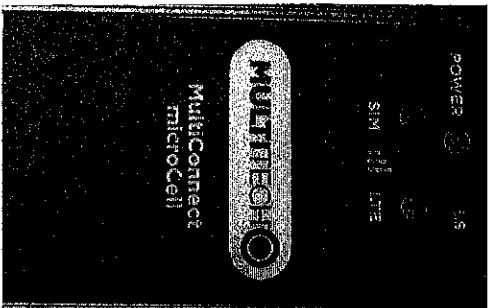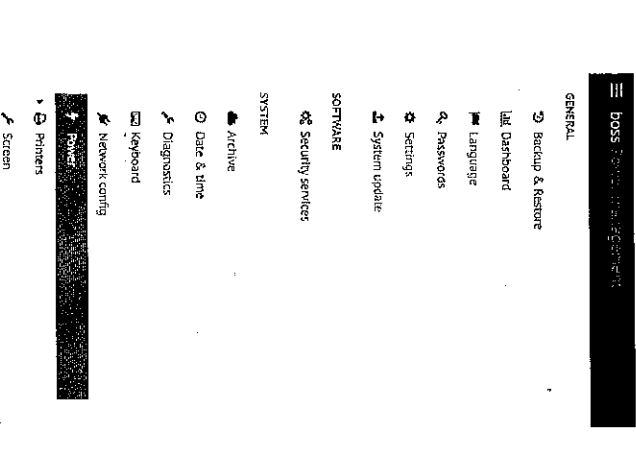

CAREL
4. Open the browser and enter the address https://(unit name):8443/ (e.g. https://boss-12aa:8443/) and log in as the administrator (important, only the administrator can install the modem)

A

administrator

········

Log in

boss supervisory application

B Under System administration, select Power from the menu

boss
GENERAL
Backup & Restore
Dashboard
Language
Passwords
Settings
System update

SOFTWARE
Security services

SYSTEM
Archive
Date & time
Diagnostics
Keyboard
Network config
Power
Printers
Screen

C Click Reboot to reboot the unit
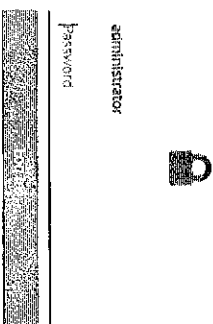
Operations
Power off   Reboot

D **Warning:** once the modem is physically connected to the boss/boss-mini it, it must not be disconnected, otherwise the configuration will be permanently lost.
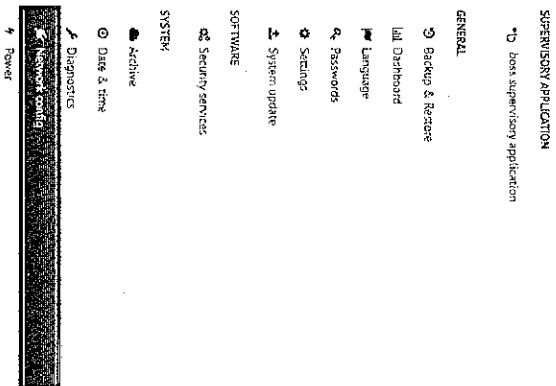
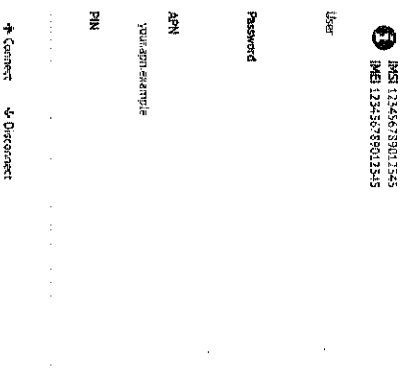E Wait for the System administration login page to be displayed

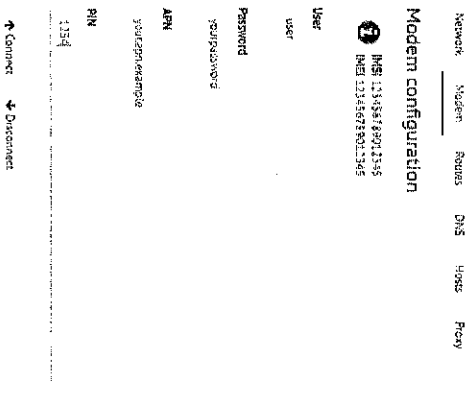F Log in as the administrator (only the administrator can configure the modem)

administrator

password

G From the menu, select Network config - Modem tab

SUPERVISORY APPLICATION

°ɒ boss supervisory application

GENERAL

🖵 Dashboard

📶 Language

🔑 Passwords

⚙ Settings

🔄 Backup & Restore

⊥ System update

SOFTWARE

🔒 Security services

SYSTEM:

📀 Archive

🕐 Date & time

🔧 Diagnostics

🔌 Network config

↻ Power

| Network | Modem | Routes | DNS | Hosts | Proxy |

Modem configuration

📶 IMSI 1234567890123545
IMEI 123456789012345

User

Password

APN

yourapn.example

PIN

➜ Connect   ➜ Disconnect

H The page shows the modem information IMSI:....; IMEI:....

J After entering the data connection details and the PIN (if enabled), the screen will be as follows

| Network | Modem | Routes | DNS | Hosts | Proxy |

Modem configuration

📶 IMSI 1234567890123545
IMEI 123456789012345

User
user

Password
yourpassword

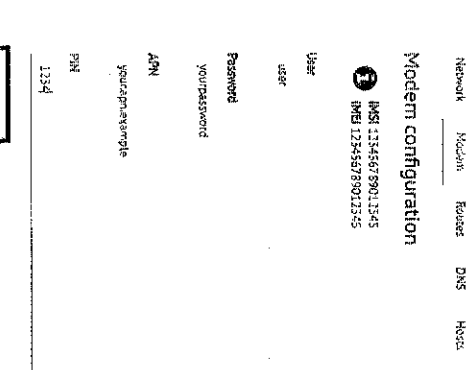APN
yourapn.example

PIN
1354

➜ Connect   ➜ Disconnect

Depending on the SIM provider, it may be sufficient to enter the APN only

I Complete the fields: User, Password, APN, PIN, following the instructions given by the SIM provider. For example, APN=your.apn.example.
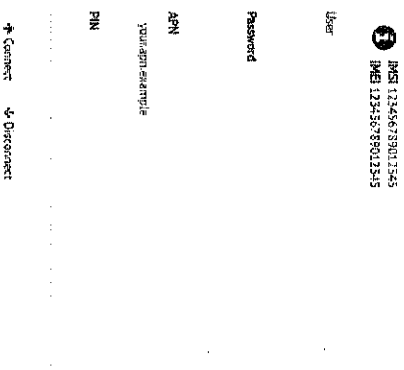
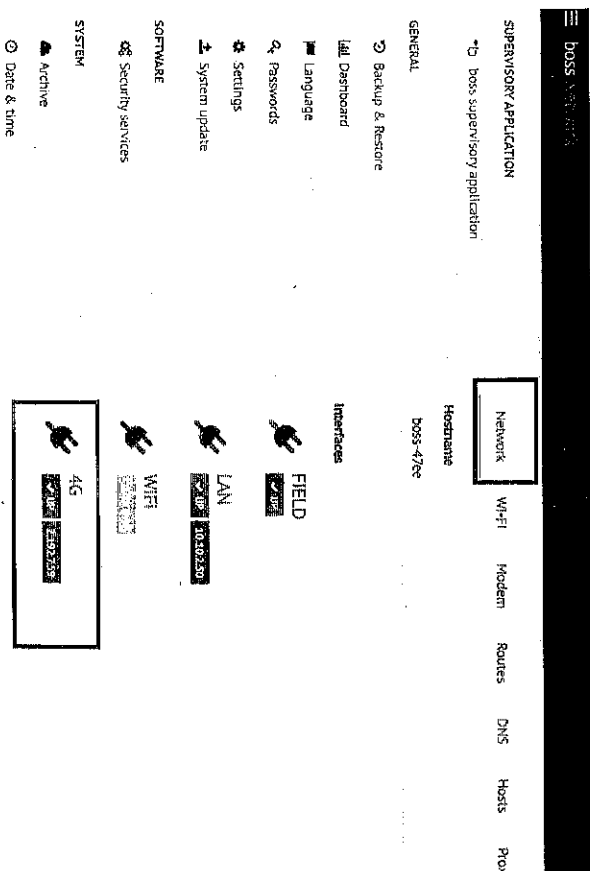## K Click Connect to save the configuration and activate the modem data connection.

| Network | Modem | Routes | DNS | Hosts | Proxy |

Modem configuration

📶 IMSI 1234567890123545
IMEI 123456789012345

User
user

Password
yourpassword

APN
yourapn.example

PIN
1354

➜ Connect   ➜ Disconnect

L At the top right, "Connecting..." will be shown for a few seconds:

🔄 Connecting...

M Then "Connected!" will be shown for a few seconds.

✓ Connected!

N Click the Network config menu item and then the Network tab

☰ boss

| Network | Wi-Fi | Modem | Routes | DNS | Hosts | Proxy |

Hostname

boss-47ee

SUPERVISORY APPLICATION

°ɒ boss supervisory application

GENERAL

🖵 Dashboard

📶 Language

🔑 Passwords

⚙ Settings

🔄 Backup & Restore

⊥ System update

SOFTWARE

🔒 Security services

SYSTEM

📀 Archive

🕐 Date & time

Interfaces

🔌 FIELD

🔌 LAN 10.102.30

🔌 WiFi

🔌 4G

O The modem has been configured correctly, the data connection is working and is ready to be used.

In the 4G row the IP address returned by the mode is displayed; if it is not shown, refresh the page.

2. UNINSTALLING THE MODEM

1. Switch the boss/boss-mini on
2. Delete the entire SMS configuration from the application.
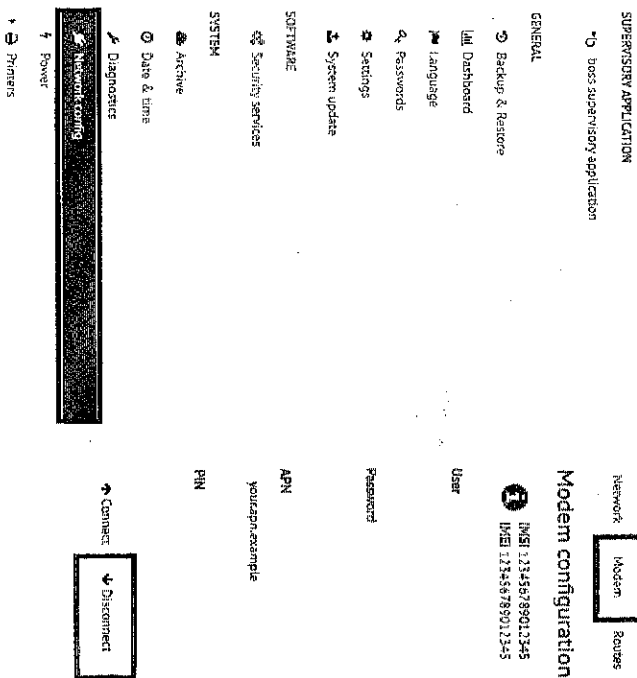3. In the browser, enter https://(unit name):8443/ (e.g. https://boss-12aa:8443) and log in as the administrator

A.

administrator

••••••••

Login

- boss supervisory application
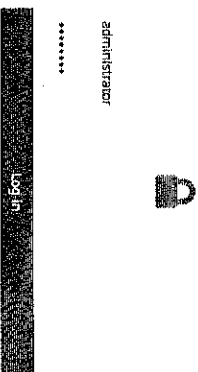
B From System administration, select Network config and then the Modem tab

C Click Disconnect to disable the data connection

SUPERVISORY APPLICATION
- boss supervisory application

GENERAL
- Dashboard
- Backup & Restore
- Language
- Passwords
- Settings
- System update

SOFTWARE
- Security services

SYSTEM
- Archive
- Date & time
- Diagnostics
- Network config
- Power
- Printers

Modem configuration

Network | Modem | Routes | DNS | Hosts | Proxy

IMSI 123456789012345
IMEI 123456789012345

User

Password

APN
yourapn.example

PIN

Connect | Disconnect

E "Disconnect" will be shown for a few seconds

Disconnected!

F Physically disconnect the modem from the boss/boss-mini

G disconnected

F Reboot the boss/boss-mini with the modem disconnected

2.2 Remarks

VERY IMPORTANT: if the boss or boss-mini is rebooted without a modem connected, the modem settings will be lost and the installation procedure will need to be repeated. This is described in the paragraph: INSTALLING THE MODEM

If the PC that is browsing the boss pages is in a different subnet from the boss unit, when the modem is connected, the default gateway is replaced and therefore the pages cannot be browsed: a new route will need to be added in boss before connecting and configuring the modem.

2.3 What happens when the modem is disconnected?

As a general rule, every operation performed on the modem requires the boss/boss-mini to be rebooted before taking effect.
Connect or disconnect the modem depending on the desired configuration, then reboot the unit to make the changes and hardware detection effective and complete.
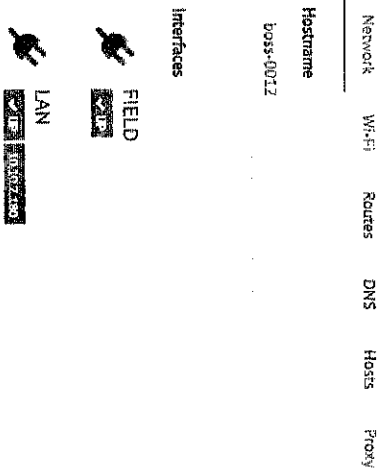
3. TROUBLESHOOTING

1. **System administration**: the modem is connected to the boss/boss-mini but 4G Down is shown on the Network page
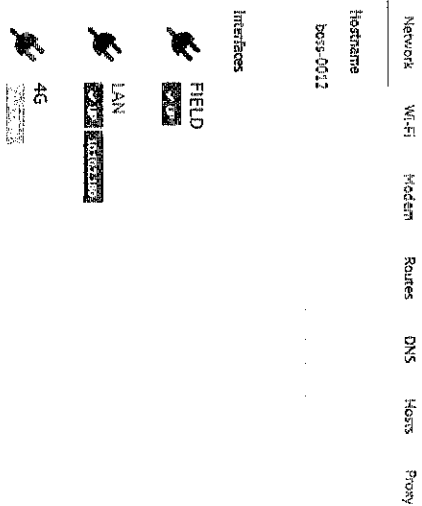
Network	Wi-Fi	Modem	Routes	DNS	Hosts	Proxy

Hostname
boss-0012

Interfaces

FIELD

LAN

4G

Check the operation of the modem with reference to the LEDs (see the quick guide).
• If the LEDs indicate that the modem is working correctly, reconfigure the modem under System administration: follow the modem installation procedure.

2. **Modem physically connected to the boss but the 4G row is not shown in System administration**

Network	Wi-Fi	Routes	DNS	Hosts	Proxy

Hostname
boss-0012

Interfaces

FIELD

LAN

Check the operation of the modem with reference to the LEDs (see the quick guide).
• If the LEDs indicate that the modem is working correctly, reconfigure the modem under System administration: follow the modem installation procedure.