



## USER INFORMATION

# CMS-10R



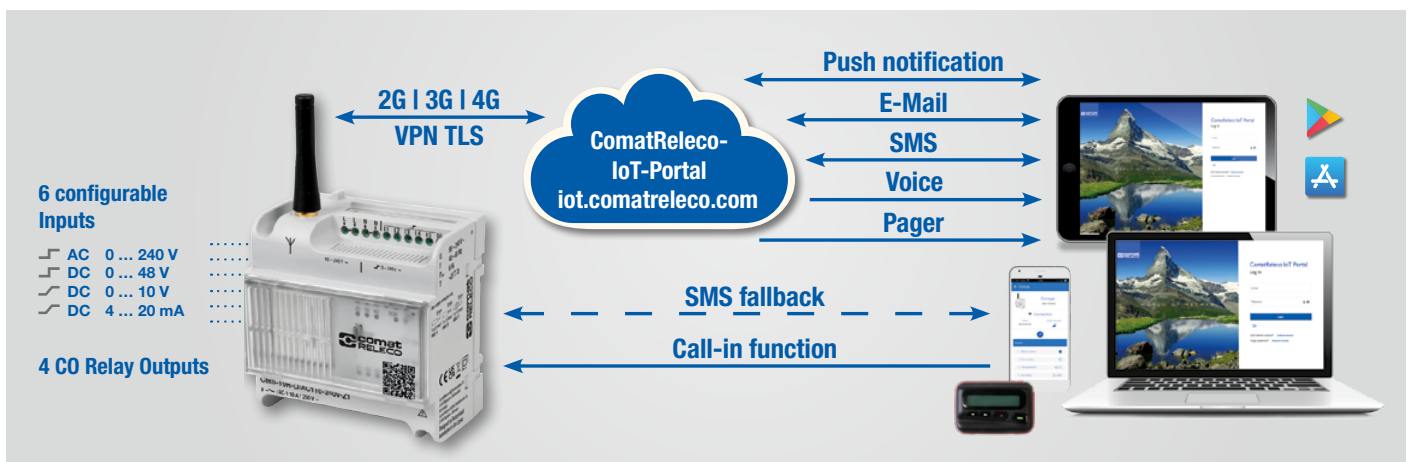
### Index

### Page

|                                                                                     |    |
|-------------------------------------------------------------------------------------|----|
| 1. System overview                                                                  | 3  |
| 2. Communication channels                                                           | 5  |
| 3. IoT Portal <a href="https://iot.comatreleco.com">https://iot.comatreleco.com</a> | 6  |
| 4. Setup a device                                                                   | 17 |
| 5. Use the device                                                                   | 27 |
| 6. Application examples                                                             | 32 |

## More than a simple SMS relay

### ComatReleco Messaging System CMS-10R



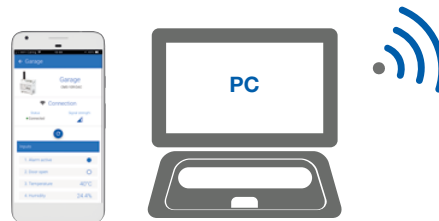
## Digital and analog inputs:

Three device types are available, with different inputs



## Plug and Play:

Wireless programming via the internet with PC, smart phone or tablet.



## App and E-Mail, additionally SMS:

Push, e-mail, pager notification, voice call or SMS as standard communication options. They use the bidirectional communication channels according to their needs.



## Easy device swap:

Upload the existing configuration file to the new CMS-10R.



## All in one:

The CMS-10R has full out-of-the-box functionality. Mobile communication is included.



# ComatReleco Messaging System CMS-10R

The CMS-10R is a remote monitoring and control system for industrial and building technology. It reports status changes to the digital or analogue inputs via the mobile phone network by push notification, email, pager notification, voice call or SMS. The outputs are controlled via the Smart App web browser. If necessary, the configured outputs can also be switched with SMS control messages and a call-in function (call to the device). The CMS-10R automatically selects the network generation with the highest field strength at the installation site.

# 1. System overview

## Main differences to older version of CMS

### CMS-10F



- 2G communication.
- Separate SIM card from a mobile service provider of your choice.
- Communication costs incurred by service provider.
- Configuration via RS232 cable link.
- Size 88 x 90 x 55 cm.
- Different hardware versions with 6 inputs / 4 outputs.
- Notification and control via SMS.

### CMS-10R



- 2G, 3G and 4G communication.
- Integrated eSIM, works worldwide.
- Communication costs covered with the chosen service profile from ComatReleco IoT portal.
- Configuration via IoT portal. Configurations from old devices can be overtaken.
- Same size.
- Matching hardware versions available
- Wiring schematics remains the same as with CMS-10F, one-to-one replacement.
- Notification and control via push, e-mail, pager notification, voice call or SMS. Call-in and fallback functions included.

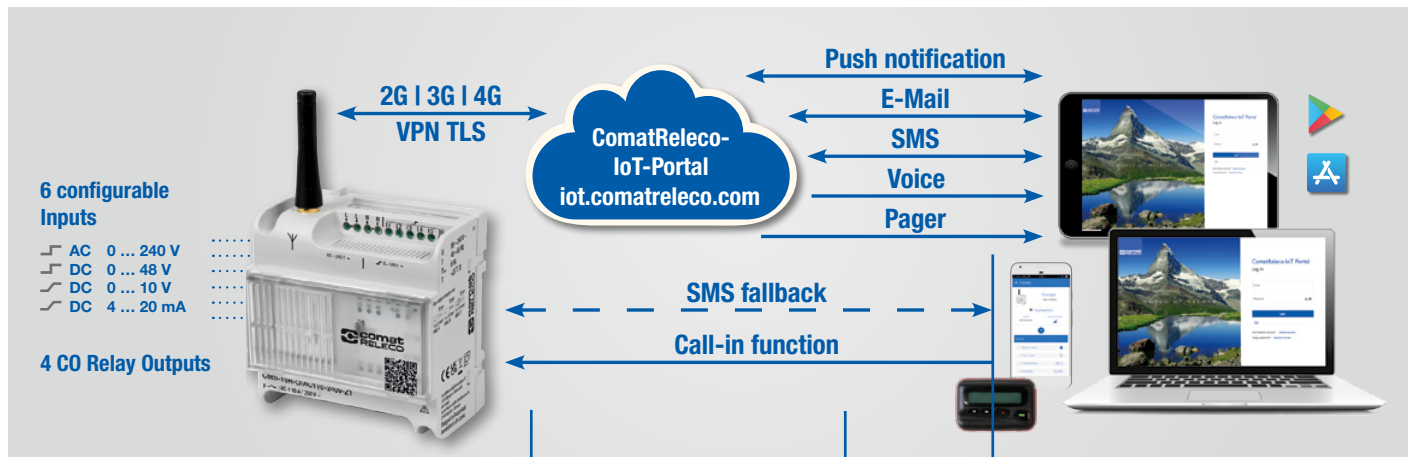


| Previous version                         | Current device version |
|------------------------------------------|------------------------|
| CMS-10F/AC110-240V                       | CMS-10R-D/AC110-240V   |
| CMS-10F/DC12-48V oder CMS-10ADF/DC12-48V | CMS-10R-DA/DC12-48V    |
| CMS-10ACDF/DC12-48V                      | CMS-10R-DAC/DC12-48V   |



## 2. Communication channels

### ComatReleco Messaging System CMS-10R



The CMS-10R unit receives SMS messages with the unique unit phone number from the integrated eSIM. Same number is valid for call-in and SMS fallback.

SMS fallback is used in the rare occasion when the IoT portal is not available, i.e. during this time, SMS will be sent instead of email and push notifications.

The ComatReleco-IoT-Portal transmits SMS messages by default \* with the number +41 79 807 55 54

SMS and Pager messages to machines are sent by default \* with the number +41 79 807 20 06

We recommend to store this numbers on the mobile phone under the name «CoReM»

Devices > CMS-10R-DAC IoT > Overview

### Overview



**CMS-10R-DAC IoT**  
Application examples  
CH-Professional

#### Managers

Owner  
IoT owner  
Installer  
IoT installer

#### Device

Serial number  
2151VS900034  
SMS available for this month  
30/30 (Reset on Nov 7, 2023)  
Number of monthly events  
1500/1500 (Reset on Nov 7, 2023)  
Firmware  
Up to date

#### Connection

Connection status  
Connected  
Mobile network  
(-67 dBm / Excellent)  
Swisscom  
Phone number  
+41 77 085 69 31

The number of the CMS-10R unit can be found on the overview of the unit in the IoT Portal.

Example:  
+41 77 129 24 10

We recommend to store this number on the mobile phone under the device name.

\* For large projects, it is possible to create customer, local numbers at additional cost.

### 3. IoT Portal

<https://iot.comatreleco.com>

• All users need to have an account. Installers/owners also have the possibility to create user accounts, see page 15. Exceptions are «***machines***» as defined on page 16.

• Choose the language



• Apps are available for android and apple.

## 3. IoT Portal

### User account

**ComatReleco IoT Portal**  
**Create an account**

\* = Mandatory fields

Change language  
English

Country \*

Company

VAT number

First Name \*

Last name \*

Address \*

Building

Zip code \*

City \*

Mobile phone number \*

E-mail \*

Password \*

Confirm password \*

☐ I have read and I accept the privacy statement.  
Privacy statement

Create an account

Defines the language of the IoT portal (can later be changed)

The country code influences the billing of the service profile

VAT number: Needed for businesses who claim VAT back

Postal address

International format: +41 23 123 45 67 (where messages from CMS-10R are being sent to)

E-mail address: (where e-mails from CMS-10R are being sent to)

## 3. IoT Portal

### Account overview

#### My owned devices:

The devices I pay the invoice for with my account.

#### My assigned devices:

Devices from another account which I am a user of.

#### My installed devices:

Devices I am the installer for, I can be the owner or someone else.

#### Buy SMS package

Account settings > SMS Package

### SMS Package

Automatic purchase

When your available account SMS reaches a defined limit, new SMS packages can be bought automatically.

☒ Automatic purchase is enabled

Each package contains 100 SMS and costs 24 EUR. You can buy up to 20 packages.

Package count: 1 ▼ Invoice

Limit to automatically purchase: 10 ▼

Apply

Purchase SMS packages

Each package contains 100 SMS and costs 24 EUR. You can buy up to 20 packages.

Package count: 1 ▼ Buy SMS Package

SMS Package history

| Confirmation date | Quantity | Status Confirmation | Invoice |
|-------------------|----------|---------------------|---------|
|-------------------|----------|---------------------|---------|

Shows the number of SMS available for the account (for all devices under this account).

#### Change language

English

Deutsch

Français

Italiano

Español

comat RELECO IoT Portal

Account SMS available: 264 Need help? Support English CMS 10R owner cr-iot.owner@comatreleco.com

Home

210 Devices

Search

☒ My owned devices  
☒ My assigned devices  
☒ My installed devices

| Name          | Reference               | Device model | Owner's e-mail            | Status     | Service profile | Expires on | SMS available for this month | Firmware     |
|---------------|-------------------------|--------------|---------------------------|------------|-----------------|------------|------------------------------|--------------|
| IoT-Portal    | Device for printscreens | CMS-10R-DA   | iot.portal.3076@gmail.com | Connected  | WW-Professional | 10/10/23   | 30 / 30                      | 1.2.0m (dev) |
| Test box CoRe |                         | CMS-10R-DA   | iot.portal.3076@gmail.com | Not paired |                 |            |                              |              |
| Test Z1       |                         | CMS-10R-DA   | iot.portal.3076@gmail.com | Not paired |                 |            |                              |              |

Items per page: 100 1 - 3 of 3

Status information

Service profile

Included SMS available for the device per month, depending on the service profile.

# 3. IoT Portal

## Device overview

Choose a device in the account overview

comat

RELECO

IoT Portal

Account SMS available: 264

Need help? Support

English

CMS 10R owner

cr-iot.owner@comatreleco.com

Home

210 Devices

Search

My owned devices

My assigned devices

My installed devices

Name

Reference

Device model

Owner's e-mail

Status

Service profile

Expires on

SMS available for this month

Firmware

IoT-Portal

Device for printscreens

CMS-10R-DA

iot.portal.3076@gmail.com

Connected

WW-Professional

10/10/23

30 / 30

1.2.0m (dev)

Test box CoRe

CMS-10R-DA

iot.portal.3076@gmail.com

Not paired

Test Z1

CMS-10R-DA

iot.portal.3076@gmail.com

Not paired

Items per page 100

1 - 3 of 3

Managers

Device details

Connectivity

Devices > CMS-10R-DAC IoT > Overview

Overview



**CMS-10R-DAC IoT**  
Application examples  
CH-Professional

Managers

Owner  
IoT owner  
Installer  
IoT Installer

Device

Serial number  
2151VS900034  
SMS available for this month  
30/30 (Reset on Nov 7, 2023)  
Number of monthly events  
1500/1500 (Reset on Nov 7, 2023)  
Firmware  
Up to date

Connection

Connection status  
Connected  
Mobile network  
(-67 dBm / Excellent)  
Swisscom  
Phone number  
+41 77 085 69 31

Inputs

1. Button

2. Switch

3. Reed contact

4. Temperature 21.134 °C

5. Potentiometer 56.8 %

Last update: 11/1/23, 4:53 PM

Documents

CMS-10R Documentation

Outputs

1. LED green

2. LED blue

3. Flashlight

4. Fan

Last update: 11/1/23, 4:51 PM

Test

Test button status (press button on your device)

Link for documentation and release information.

I/O monitoring / control

WORLD OF RELAYS

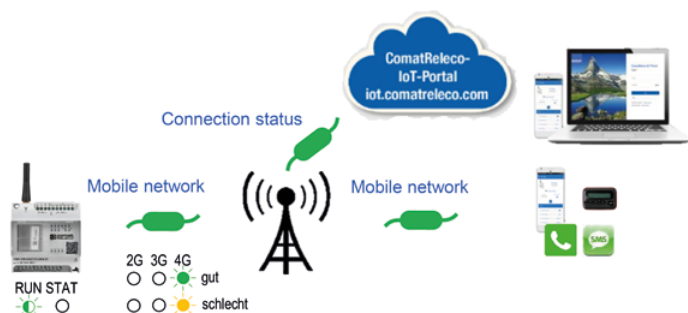
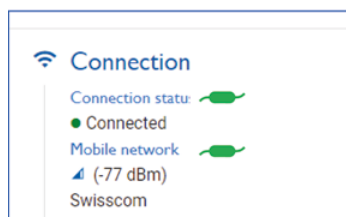
ComatReleco CMS-10R | User Information | 45013-097-54-003\_EN\_EUR |

9

# 3. IoT Portal

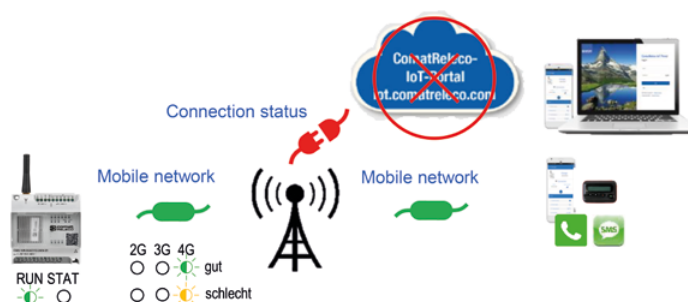
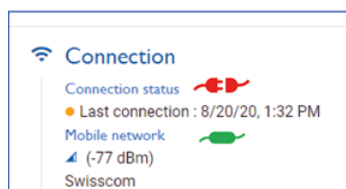
## Device connection (fallback mode)

### Normal operation



### IoT portal is not available

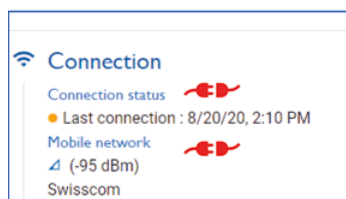
Device switches to fallback mode, i.e., during this time, SMS will be sent instead of email and/or push notifications.



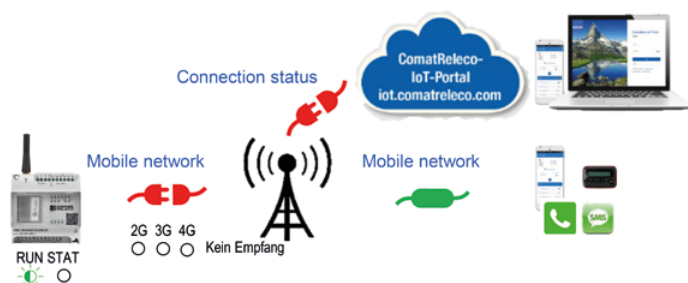
see next page

### No or very poor connection with mobile network.

Events are stored in the device and sent once connection is re-established.



| Signal strength | 3G [dBm] | 4G [dBm] |
|-----------------|----------|----------|
| Not connected   | < -103.7 | < -93.3  |
| Poor            | < -90    | < -80    |
| Good            | > -90    | > -80    |
| Excellent       | > -75    | > -70    |



# 3. IoT Portal

## Device in fallback mode

In the unlikely case the device is in fallback mode and you might need to switch one or more outputs during this time, configure the device in advance accordingly.

Time after the activated output will be switched off again (00:00:01 to 23:59:59 hours possible).  
Must be defined by call-in activation.

comat  
RELECO IoT Portal ← Home Account SMS available: 160 Need help? Support English IoT owner cr-iot.owner@comatreleco.com

DEVICES > CMS-10R-DAC IoT > LED green

### LED green

Output I

| Status | Name      |
|--------|-----------|
| Active | LED green |

Auto switch OFF time

Time after which the output will be switched off automatically

Hours \* Minutes \* Seconds \*

0 10 0

Events

Output ON

Message: On

Output OFF

Message: Off

SMS control

SMS control messages

Output ON

1

Output OFF

0

Send confirmation

Allow registered numbers only

Notifications

#### Users / Machines

Message receiver (5 max.)

- IoT owner (push)
- IoT installer (SMS)
- CMS-10R user (e-mail)
- CMS-10R user (Voice Call)
- CMS-10R pager (Pager)

Find user / machine

Confirmation

Waiting time to confirm

Max. number of loops

Phone control

Control by call-in

Auto switch OFF time needed, time after which the output will be switched off.

For security, the message can have a form of a password or similar, e.g. +23@LED\_on

As another security measure, you can choose that only registered users can control it.

As a security measure, by default, only registered users can control it.

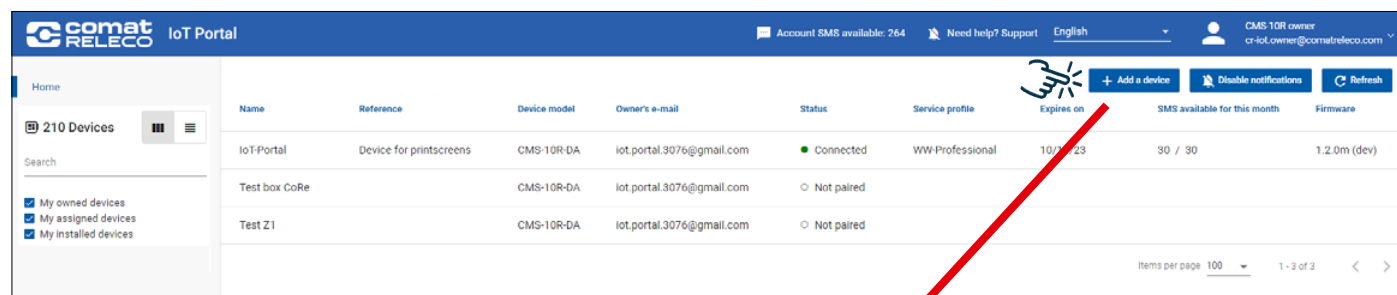
It is possible to control the output with an SMS message.

It is possible to control the output by call-in, i.e. call the phone number of the device.

In fallback mode a SMS message **«Status»** can be sent to the device, it returns the status of all inand outputs.

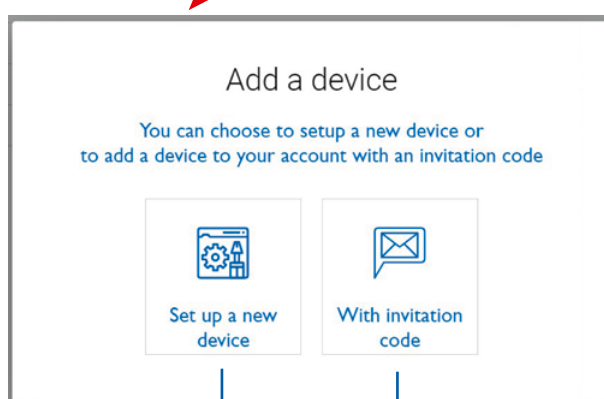
## 3. IoT Portal

### Add a device to your account



The screenshot shows the IoT Portal interface. On the left, there's a sidebar with '210 Devices' and filters for 'My owned devices', 'My assigned devices', and 'My installed devices'. The main area displays a table of devices. A red arrow points to the '+ Add a device' button in the top right corner of the table.

| Name          | Reference               | Device model | Owner's e-mail            | Status     | Service profile | Expires on | SMS available for this month | Firmware     |
|---------------|-------------------------|--------------|---------------------------|------------|-----------------|------------|------------------------------|--------------|
| IoT-Portal    | Device for printscreens | CMS-10R-DA   | iot.portal.3076@gmail.com | Connected  | WW-Professional | 10/11/23   | 30 / 30                      | 1.2.0m (dev) |
| Test box CoRe |                         | CMS-10R-DA   | iot.portal.3076@gmail.com | Not paired |                 |            |                              |              |
| Test Z1       |                         | CMS-10R-DA   | iot.portal.3076@gmail.com | Not paired |                 |            |                              |              |



• Set up a new device ...  
(see page 14)

• Accept and add a device  
to your account with an  
invitation code from  
another account (assigned  
device). The code has  
been received by e-mail or  
SMS.



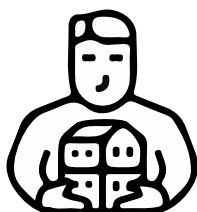
### 3. IoT Portal

#### Roles / business relationship with ComatReleco



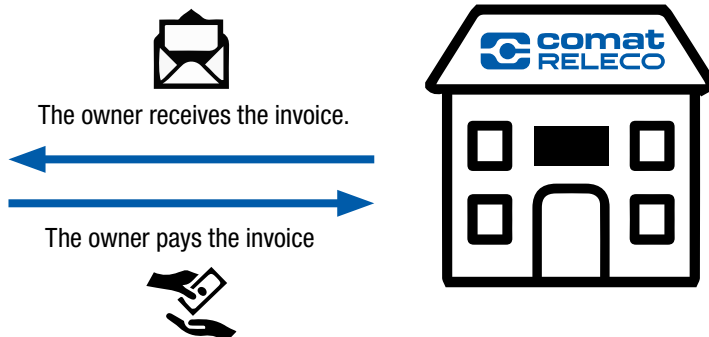
##### Installer

By default, the installer is also the owner. If you are not the owner (the bill recipient), you can transfer the device to the owner's account under **«Change owner»**.

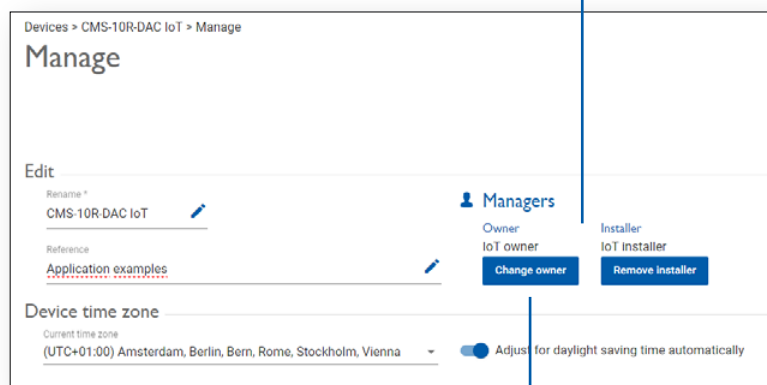
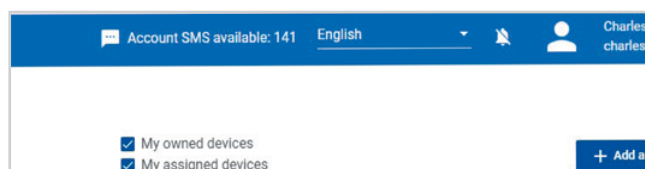


##### Owner

This means that the invoice is paid by the holder of this account.



Bought SMS packages on the account cannot be transferred to another account.

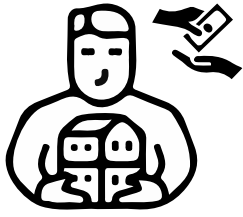


Under **«Manage»** on the IoT Portal you can see who the installer and the owner of the device is.

If the owner is wrong (the invoice recipient), it can be changed here.

## 3. IoT Portal

### Setup a new device



- Choose if you are the owner, i.e. it will be your account paying the invoice, or not.

**1. Define the owner**  
Add an owner for the device.

Are you the owner of the device? ☒ Yes ☐ No

Cancel Next

**1. Define the owner**  
Add an owner for the device.

Are you the owner of the device? ☐ Yes ☒ No

Owner's e-mail

[Existing user](#)

Cancel Next

- Enter a device name (notifications and messages are being sent with this name).

**2. Give the device a name**  
It is important that the device has a name, the name will appear on the device overview

Device name

Device model 

CMS-10R-D  
CMS-10R-DA  
CMS-10R-DAC

Cancel Next

- Choose the model.

- If you are not the owner, you have to enter a valid e-mail address of the owner, he will then receive an email to accept the ownership. In this case you are the inststaller for someoneelses device.

**3. Confirmation**  
Thank you, this device is ready to be used.

Congratulations, a new device has been created

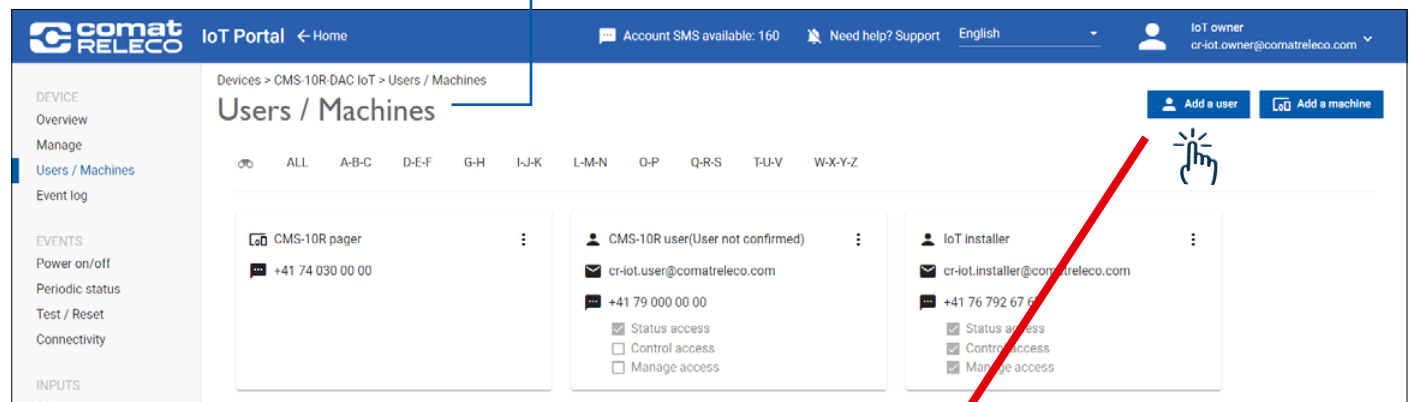
[Pair](#) [Configure](#) [Home page](#)

- You can now choose to pair, configure the device or go back the overview (Home page)

### 3. IoT Portal

#### Add another user to use a device

Number of users / machines according service profile (4, 10, 30).



Invite another user to use your device either by e-mail or SMS. The invited user receives a code to add the device in his account.

### Invitation

☐ SMS ☒ E-mail

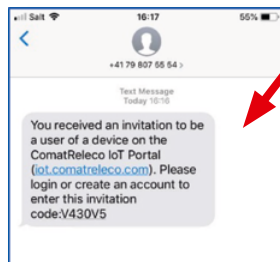
E-mail \*

Invitation language: English

### Privileges

☒ Status access  
☒ Control access  
☐ Manage access

Installer/owner has here the possibility to create an account for another user.



Different access levels can be chosen for the user.

### Create account

First Name \*  Last Name \*

E-mail \*  Mobile phone number \*

Country \*  Language \*

Zip code \*  City \*

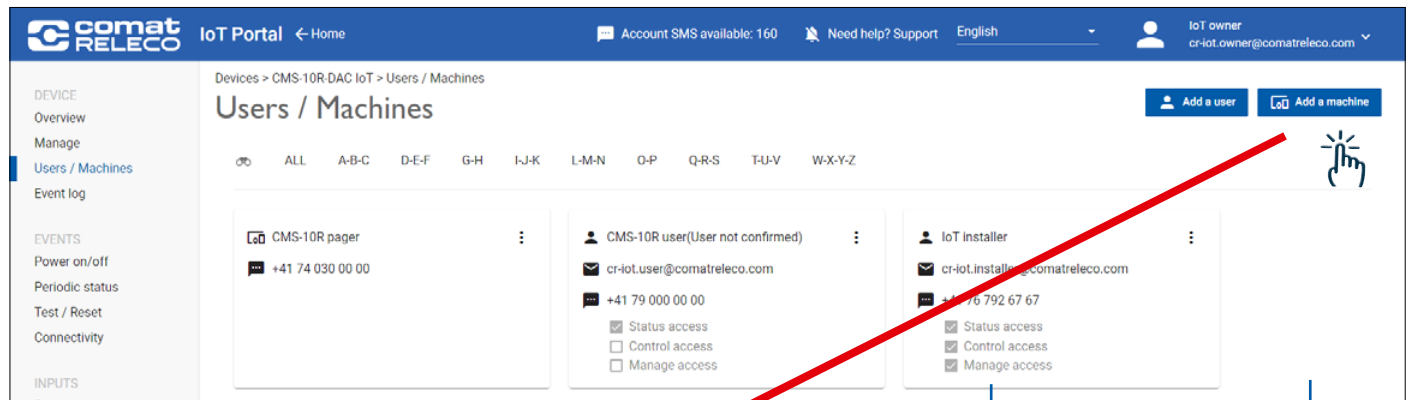
Address \*  Building

Company  VAT number

Password \*  Confirm password \*

## 3. IoT Portal

### Add a «machine» to use a device



Is the user not a human being, e.g. a pager, alarm server, or other machine, to receive messages, it can be added here. It needs at least a **phone number** or an **e-mail address**.

**Create machine**

Machine name \*  Machine model

Phone number \*  Confirm phone number \*

Use international format (+41 999999999) Pager number detected with supported provider: Swissphone

☒ Use legitimization number  
Normally legitimization number is not used. However, if you want to use it, make sure you are configuring the correct number

Legitimation Number \*  Confirm Legitimation Number \*

E-mail address  Confirm e-mail address

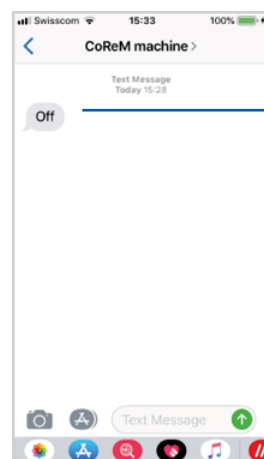
You can send a test SMS to this machine.

Test message (max. 30 characters)

It is also possible to define a **CMS-10R** itself as a machine, making it a very simple control system (see also page 34).

It is also possible to define a **person as a machine** to receive SMS only, without having to fill in all information needed for a user. They could then also send SMS to the device or call in to activate an output.

#### SMS to machine



SMS to machine is sent **without header and timestamp**, so it is compliant to most machines, such as pager, alarm servers, etc.

## 4. Setup a device

### Configure a device

Go to «**Manage**»  
on your device.

The screenshot shows the 'Manage' page for a device named 'CMS-10R-DAC IoT'. The left sidebar contains a navigation menu with sections: DEVICE (Overview, Manage, Users / Machines, Event log), EVENTS (Power on/off, Periodic status, Test / Reset, Connectivity), INPUTS (Button, Switch, Reed contact, Temperature, Potentiometer, Input 6), and OUTPUTS (LED green, LED blue, Flashlight). The main content area has a 'Manage' title and a 'Refresh' button. Below the title, there are sections for 'Edit' (Rename, Reference), 'Managers' (Owner, Installer), 'Device time zone' (Current time zone, Adjust for daylight saving time automatically), and 'SMS output control' (Help message, Allow the message receiver to request SMS output control messages). A blue line connects the 'Manage' link in the sidebar to the 'Manage' title in the main content area.



The device itself is set to UTC (GMT),  
<https://www.timeanddate.com/worldclock/>,  
therefore, set the time zone where you are,  
UTC+/-x, to have the correct time of the event.

## 4. Setup a device

### Configure a device

Choose the input you want to configure.

Activate the input to use it.

Choose analog or digital.

The screenshot shows the 'Button' configuration page in the IoT Portal. The left sidebar contains a navigation menu with sections: DEVICE (Overview, Manage, Users / Machines, Event log), EVENTS (Power on/off, Periodic status, Test / Reset, Connectivity), INPUTS (Button, Switch, Reed contact, Temperature, Potentiometer, Input 6), OUTPUTS (LED green, LED blue, Flashlight, Fan), SERVICE PROFILE (Service profile), and SUPPORT (Allow remote access). The main content area is titled 'Devices > CMS-10R-DAC IoT > Button'. It features a 'Button' header, an 'Input 1' section with a 'Status' toggle set to 'Active' and a 'Name' field containing 'Button'. A 'Type' selector shows 'Analog' and 'Digital' options. Below this is an 'Events' section with two panels: 'Input ON' and 'Input OFF'. Each panel has a 'Message' field (containing 'On' and 'Off' respectively) and a 'Delay' section with 'Hours', 'Minutes', and 'Seconds' input fields. The 'Notifications' section on the right is titled 'Users / Machines' and lists five message receivers: '1. IoT owner (push)', '2. IoT installer (SMS)', '3. CMS-10R user (e-mail)', '4. CMS-10R user (Voice Call)', and '5. CMS-10R pager (Pager)'. Below this is a 'Confirmation' section with a toggle, a 'Waiting time to confirm' field set to 5, and a 'Max. number of loops' field set to 1.

All status events can be configured here.

Notifications, confirmation loops.

Sequential notification in the order of the users until the first one acknowledges the message. Number of loops according service profile (1, 3, 5).

## 4. Setup a device

### Configure a device

Choose the output you want to configure.

Activate the output to use it.

Time after the activated output will be switched off again (00:00:01 to 23:59:59 hours possible). **Must** be defined by call-in activation.

The screenshot shows the 'IoT Portal' interface for a device named 'LED green'. The left sidebar contains a navigation menu with categories: DEVICE (Overview, Manage, Users / Machines, Event log), EVENTS (Power on/off, Periodic status, Test / Reset, Connectivity), INPUTS (Button, Switch, Reed contact, Temperature, Potentiometer, Input 6), OUTPUTS (LED green, LED blue, Flashlight, Fan), SERVICE PROFILE (Service profile), and SUPPORT (Allow remote access). The main content area is titled 'Devices > CMS-10R-DAC IoT > LED green'. It includes sections for 'Output I' (Status: Active, Name: LED green), 'Auto switch OFF time' (Time after which the output will be switched off automatically, with fields for Hours: 0, Minutes: 10, Seconds: 0), 'Events' (Output ON and Output OFF message boxes), 'SMS control' (SMS control messages, Output ON: 1, Output OFF: 0, Send confirmation, Allow registered numbers only), and 'Phone control' (Control by call-in, Auto switch OFF time needed, time after which the output will be switched off). A right sidebar shows 'Users / Machines' (Message receiver (5 max.)) and 'Confirmation' (Waiting time to confirm: 1 min (1-60), Max. number of loops: 5).

It is also possible to control the output by call-in, i.e. call the phone number of the device.

It is possible to control the output with an SMS message.

① As a security measure, only registered users can call.

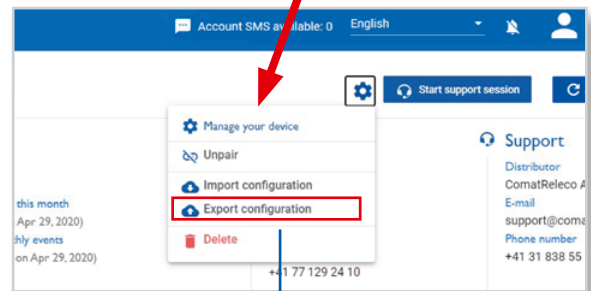
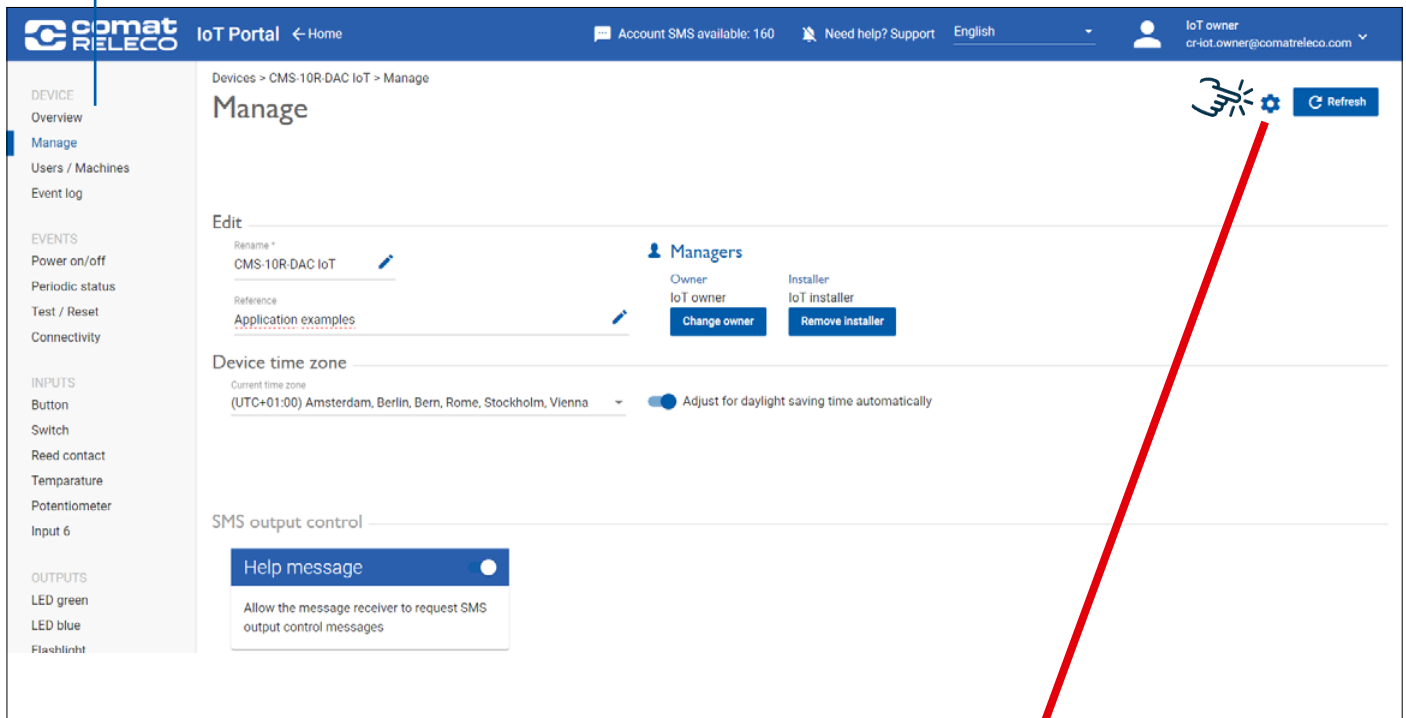
① For security, the message can have a form of a password or similar, e.g. +23@LED\_ein

① As another security measure, you can choose that only registered users can control it.

## 4. Setup a device

### Configure a device

After you finished configuring the device, go back to **«Manage»** on your device.

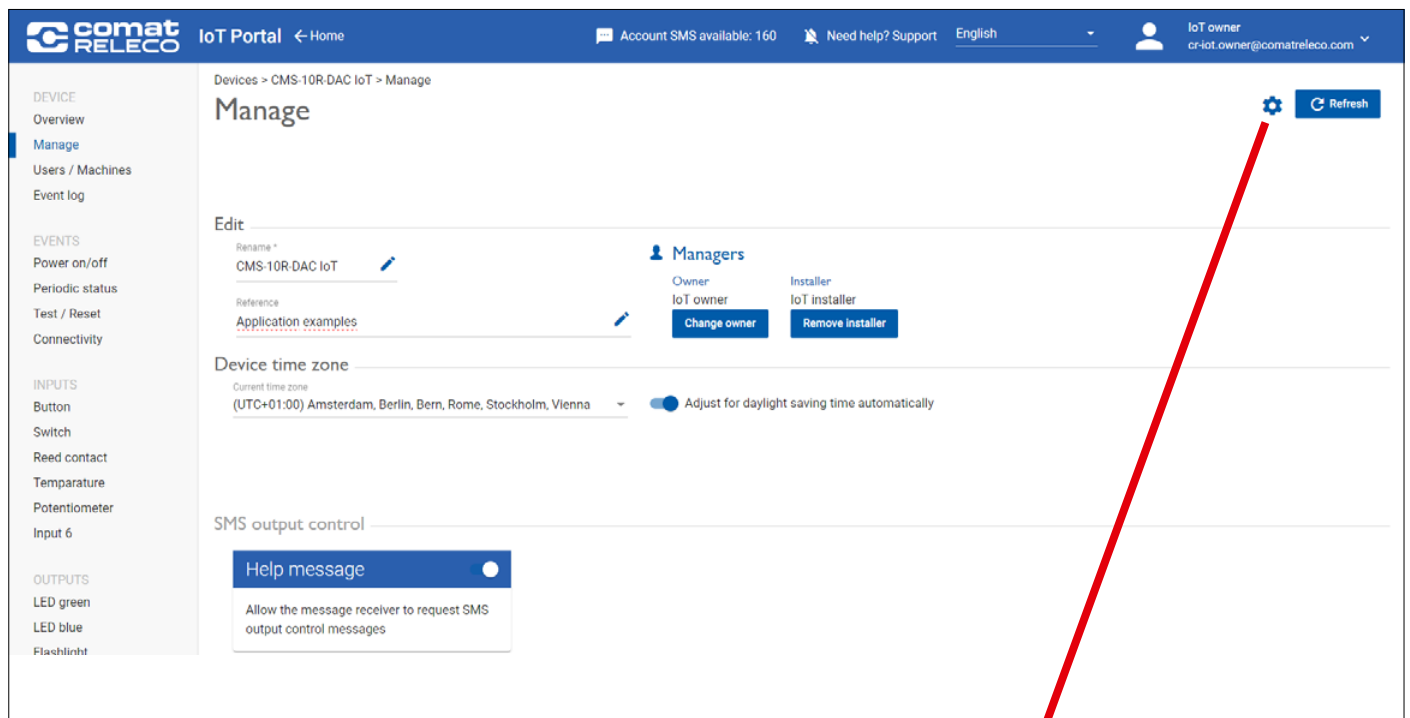


You can export the configuration and save it, a file `.json` will be created.

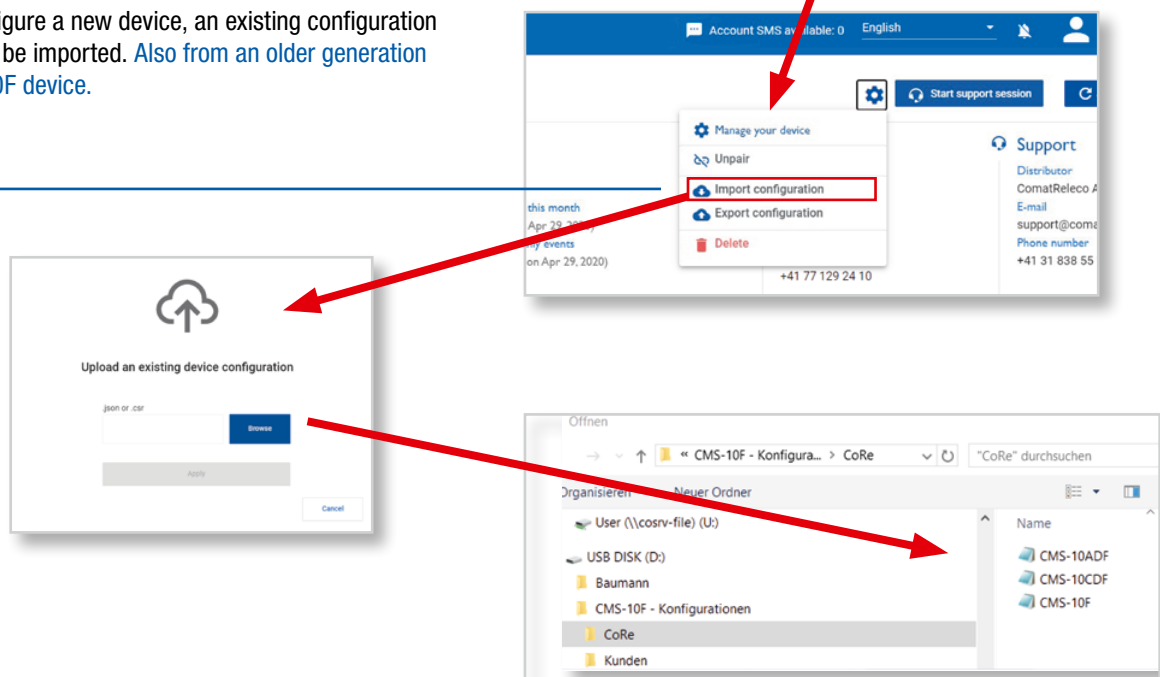


## 4. Setup a device

### Configure a device

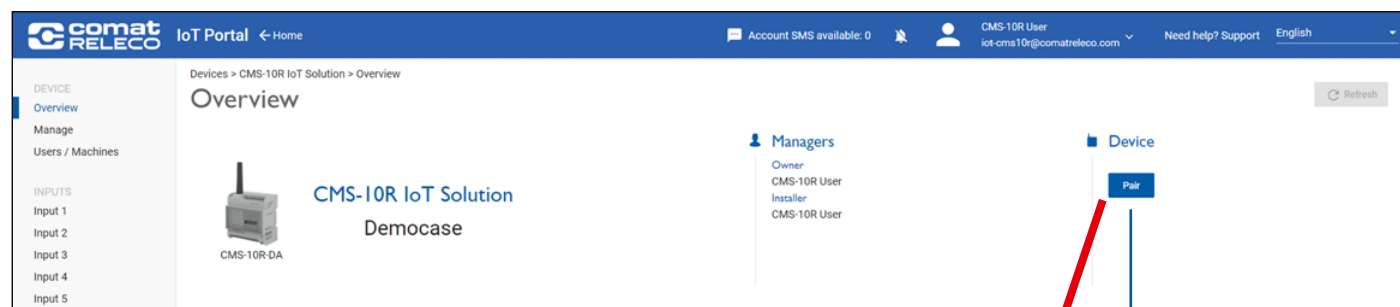


To configure a new device, an existing configuration file can be imported. Also from an older generation CMS-10F device.

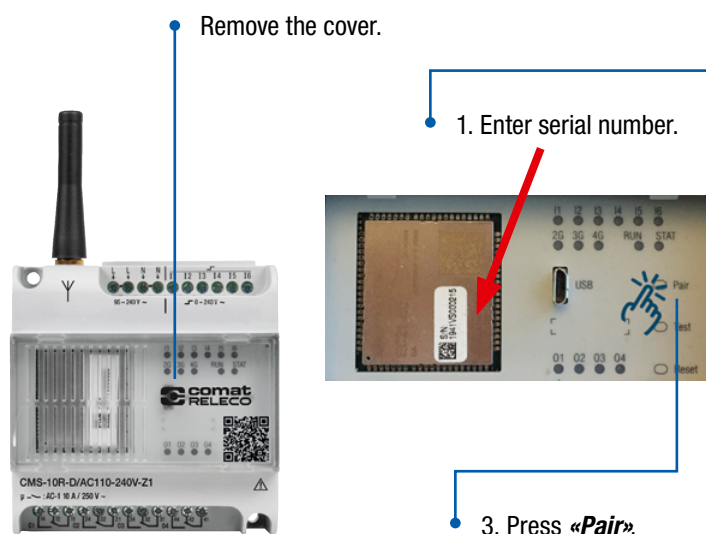


## 4. Setup a device

### Pair a device



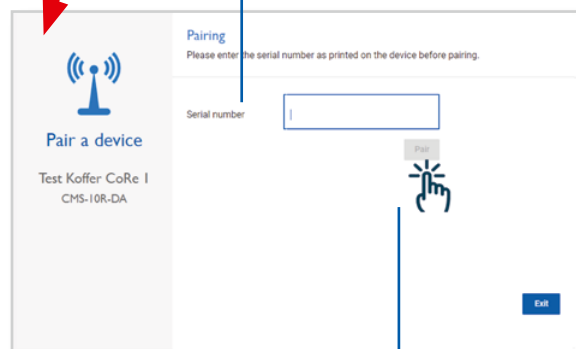
Pair device, i.e. connect the device with the IoT Portal and overtake the configuration. Make sure that the device is powered on. Then press **«Pair»**. With pairing the device, the **service profile** starts, i.e. start of invoicing.



Remove the cover.

1. Enter serial number.

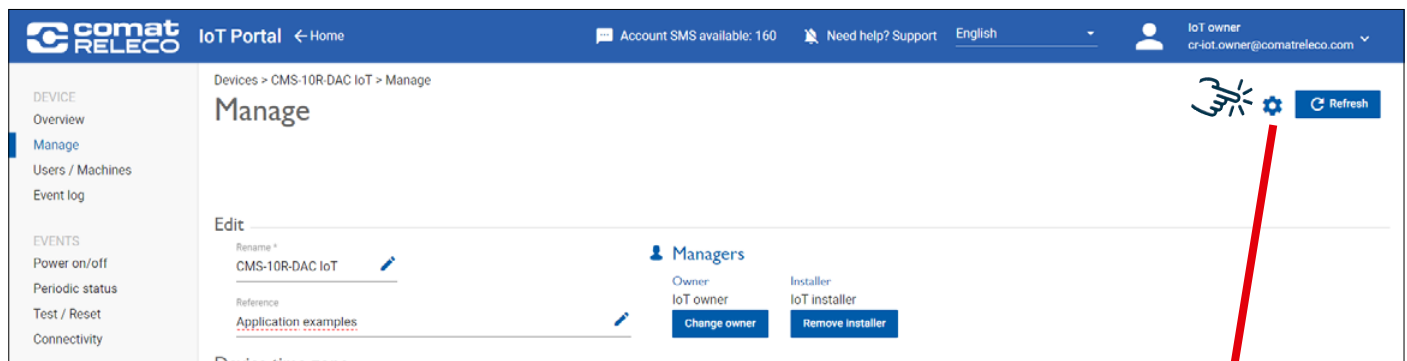
3. Press **«Pair»**.



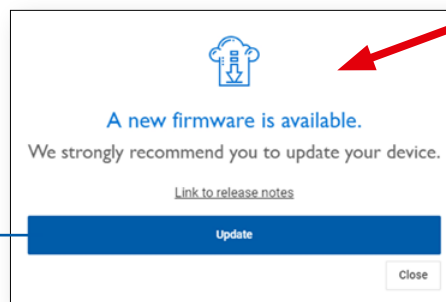
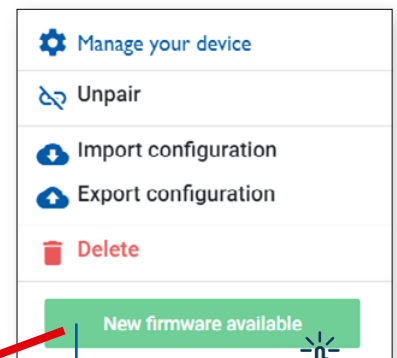
2. Click **«Pair»**

## 4. Setup a device

### Firmware update



ComatReleco continuously enhances the functionality of the CMS-10R system according to customer needs, wishes and other feedback. Firmware updates include new functionalities and bug fixes.



The update takes about 2 minutes. During this time the device is not sending messages, etc. The device will restart after the update.

The window appears in case a new firmware is available.

## 4. Setup a device

### Service profiles

The screenshot shows the 'Service profile' page in the ComatReleco IoT Portal. The page has a blue header with the ComatReleco logo, navigation links, and user information. A left sidebar contains a menu for device management and events. The main content area is titled 'Service profile' and includes three panels: 'Details of the current service profile' (showing 'CH-Professional' profile with start/end dates and a 'Change service profile' button), 'Renewal of the service profile' (with 'Auto renew' selected and an 'Apply' button), and 'Purchase SMS packages' (showing a package count of 1 and a '24 EUR Purchase' button). Below these panels is a 'Service profile history' table.

| Duration          | Service profile name             | Amount    | Receipt                  |
|-------------------|----------------------------------|-----------|--------------------------|
| 10/7/23 - 10/6/24 | Service profile: CH-Professional | 72.00 EUR | <a href="#">View PDF</a> |
| 10/7/22 - 10/7/23 | Service profile: CH-Professional | 28.80 EUR | <a href="#">View PDF</a> |

3 different service profiles are available.

The screenshot shows the 'Service profile configuration' wizard. It has a left sidebar with steps: 1. Service profile selection, 2. SMS packages, and 3. Summary. The main area is titled 'I. Service profile selection' and shows three options: 'Eco', 'Standard', and 'Professional'. Each option has a price for the 1st year of operation and a price after the 1st year of operation. The 'Eco' profile is free for the first year and 2.90 EUR/month thereafter. The 'Standard' profile is free for the first year and 4.40 EUR/month thereafter. The 'Professional' profile is 2.60 EUR/month for the first year and 6.50 EUR/month thereafter. A table below compares the features of each profile.

|                                       | Eco            | Standard       | Professional   |
|---------------------------------------|----------------|----------------|----------------|
| Price for the 1st year of operation   | 0.00 EUR/month | 0.00 EUR/month | 2.60 EUR/month |
| Price after the 1st year of operation | 2.90 EUR/month | 4.40 EUR/month | 6.50 EUR/month |
| Available users / machines            | 4              | 10             | 50             |
| Message receivers per input/output    | 2              | 5              | 5              |
| Included events per month             | 60             | 600            | Unlimited      |
| Included SMS per month                | 0              | 10             | 30             |
| Owner account SMS                     | At cost        | At cost        | At cost        |
| Number of confirmation loops          | 1              | 3              | 5              |
| Call-in per month                     | Not available  | Unlimited      | Unlimited      |
| Retention period of logs              | 14 days        | 45 days        | 90 days        |

«Eco» and «Standard» are free of charge for the first year (starts when device is paired for first time).

During the one-year term of the service profile, you can switch to the next higher service profile at any time. You can only switch to a lower service profile after the term has expired.

## 4. Setup a device

### Service profiles

Devices > CMS-10R-DAC IoT > Service profile

### Service profile

**Details of the current service profile**

CH-Professional

Start date: 10/7/23  
End date: 10/6/24

[Change service profile](#)

**Renewal of the service profile**

☒ Auto renew  
☐ Disabled

[Apply](#)

**Purchase SMS packages**

Each package contains 100 SMS and costs 24 EUR.

Package count: 1

[24 EUR Purchase](#)

**Service profile history**

| Duration          | Service profile name             | Amount    | Receipt                  |
|-------------------|----------------------------------|-----------|--------------------------|
| 10/7/23 - 10/6/24 | Service profile: CH-Professional | 72.00 EUR | <a href="#">View PDF</a> |
| 10/7/22 - 10/7/23 | Service profile: CH-Professional | 28.80 EUR | <a href="#">View PDF</a> |

Shows current active service profile which can be changed here.

Possibility to **“auto renew”** after one year.

SMS packages can be bought for an account.

Overview shows the number of SMS available for the account. All devices owned by this account can use SMS ...

Account SMS available: 264

[+ Add a device](#) [Disable notifications](#) [Refresh](#)

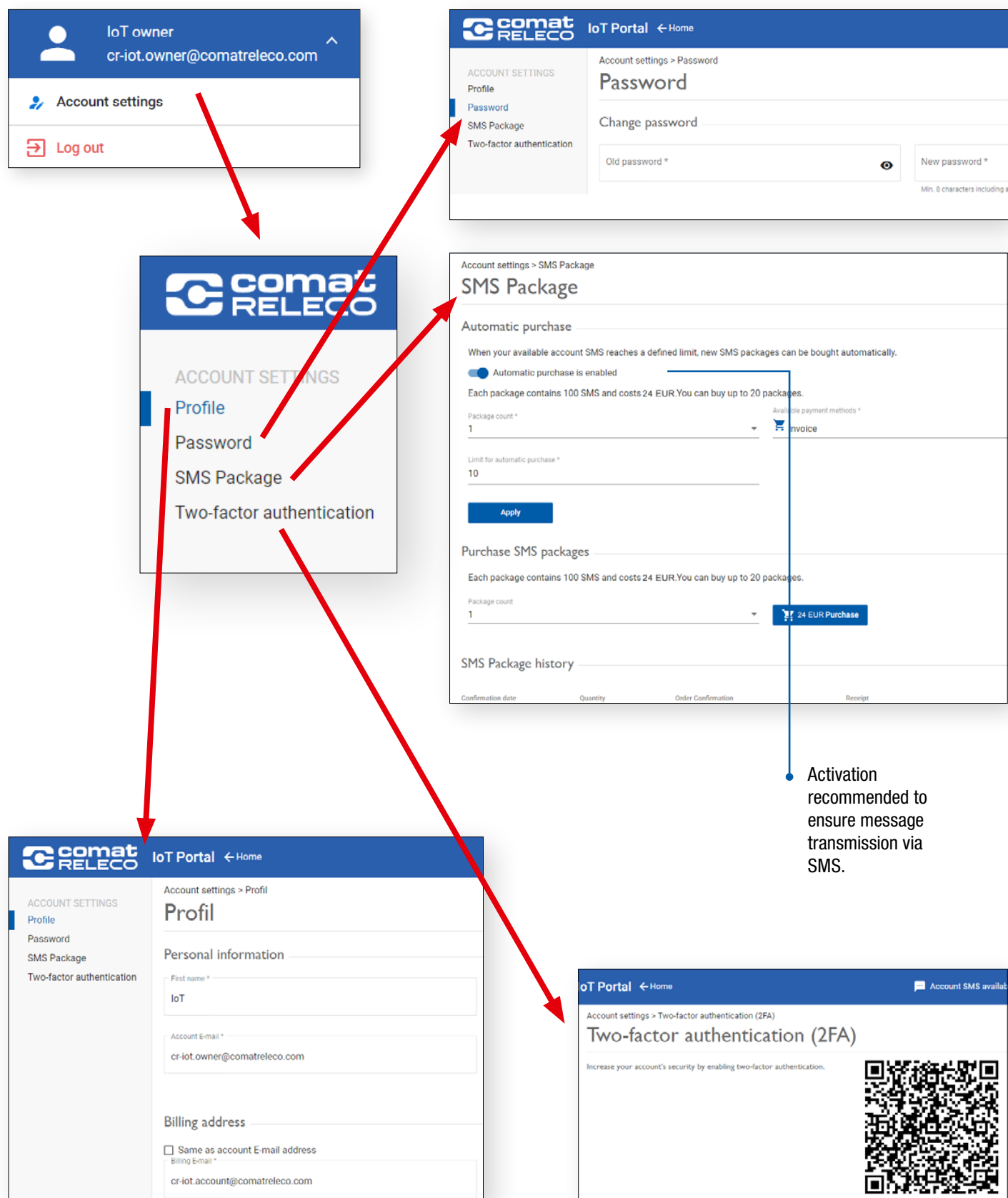
| Name          | Reference               | Device model | Owner's e-mail            | Status     | Service profile | Expires on | SMS available for this month | Firmware     |
|---------------|-------------------------|--------------|---------------------------|------------|-----------------|------------|------------------------------|--------------|
| IoT-Portal    | Device for printscreens | CMS-10R-DA   | iot.portal.3076@gmail.com | Connected  | WW-Professional | 10/10/23   | 30 / 30                      | 1.2.0m (dev) |
| Test box CoRe |                         | CMS-10R-DA   | iot.portal.3076@gmail.com | Not paired |                 |            |                              |              |
| Test Z1       |                         | CMS-10R-DA   | iot.portal.3076@gmail.com | Not paired |                 |            |                              |              |

Items per page: 100 1 - 3 of 3

... when monthly SMS of the device have been used.

## 4. Setup a device

### Overview of your account settings

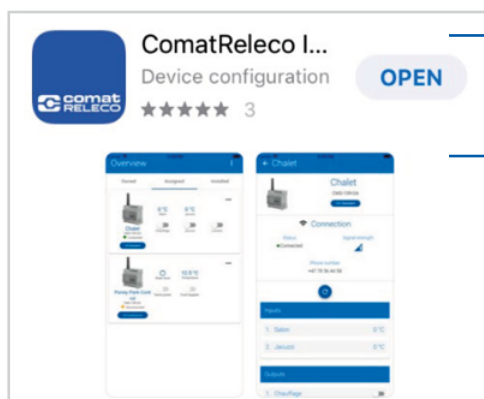


## 5. Use the device

### Device overview

Manager    Device details    Connectivity

The screenshot shows the 'Overview' page for the CMS-10R-DAC IoT device. The top navigation bar includes the ComatReleco logo, 'IoT Portal', and user account information. A left sidebar lists various device functions like 'Overview', 'Manage', 'Users / Machines', and 'Event log'. The main content area displays the device name 'CMS-10R-DAC IoT' with an 'Application examples' button. Below this are sections for 'Inputs' (Button, Switch, Reed contact, Temperature, Potentiometer) and 'Outputs' (LED green, LED blue, Flashlight, Fan). A 'Documents' section provides a link to 'CMS-10R Documentation'. A 'Test' section contains a 'Test button status' button. A 'Connection' status box shows the device is connected via mobile network with excellent signal. Callouts from the top point to 'Manager', 'Device details', and 'Connectivity'. A callout from the bottom points to the 'CMS-10R Documentation' link, labeled 'Link to documentation and release information.'



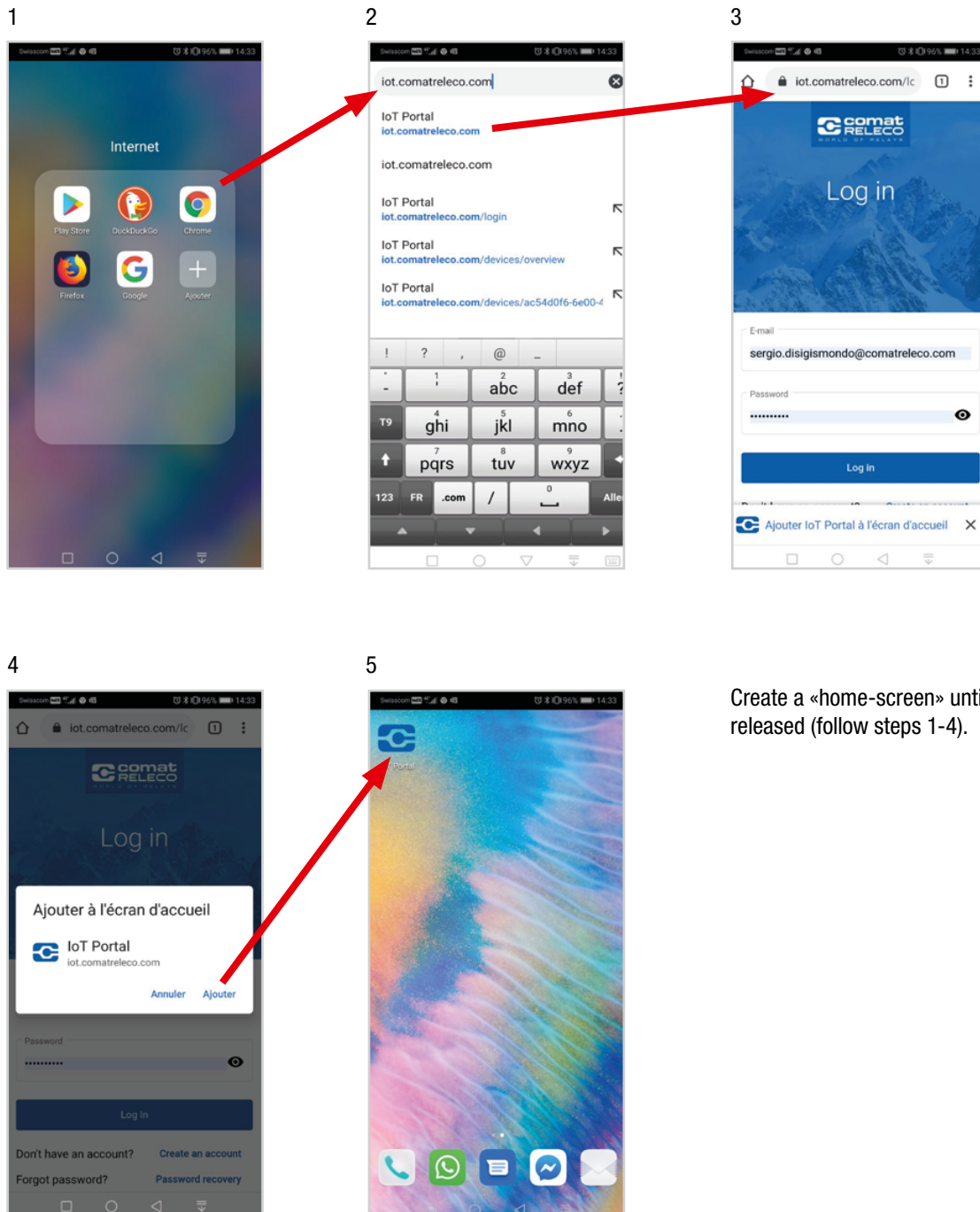
App: ComatReleco IoT Portal

App for Android phones:  
Please make sure that the app is not part of  
the power saving mode as this would stop  
indicating push notifications!

## 5. Use the device

### Create homescreen instead of using the app with android phones

Depended on android version and device type.



Create a «home-screen» until app is released (follow steps 1-4).



## 5. Use the device

### I/O, Status messages / notifications

**Notifications**

**Users / Machines**  
Message receiver (5 max.)

- 1. IoT owner (push)
- 2. IoT owner (SMS)
- 3. CMS-10R user (e-mail)
- 4. CMS-10R user (Voice Call)
- 5. CMS-10R pager (Pager)

Find user / machine

**Confirmation**

Waiting time to confirm: 1

Max. number of loops: 5

**Users / Machines**  
Message receiver (5 max.)

Find user / machine

|                  |      |     |        |
|------------------|------|-----|--------|
| Charles Mosimann | push | SMS | e-mail |
| Daniel Herren    | push | SMS | e-mail |
| Testbox Charles  |      | SMS |        |

Define who will receive messages by push notification, email, pager notification, voice call or SMS.  
Max. message receivers per input/output according service profile (2, 5, 5).

It is possible to add an acknowledgment loop.

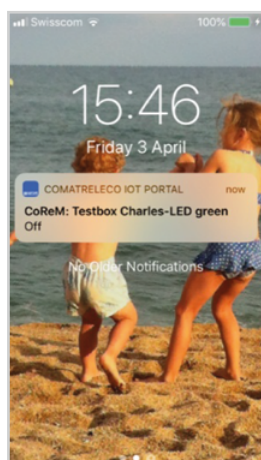
Define the time to acknowledge a message.

Number of acknowledgment loops according service profile (1, 3, 5).

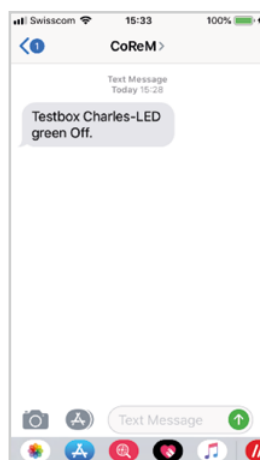


If a confirmation loop is selected, please note that a machine (or a person defined as a machine) cannot acknowledge the message. The machine only receives the notification message, without any link to confirm.

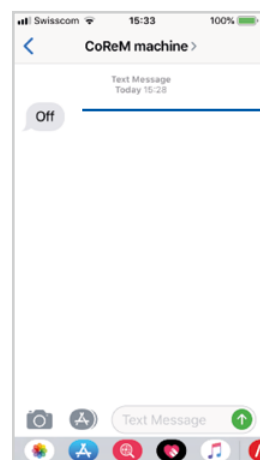
Push



SMS



SMS to machine

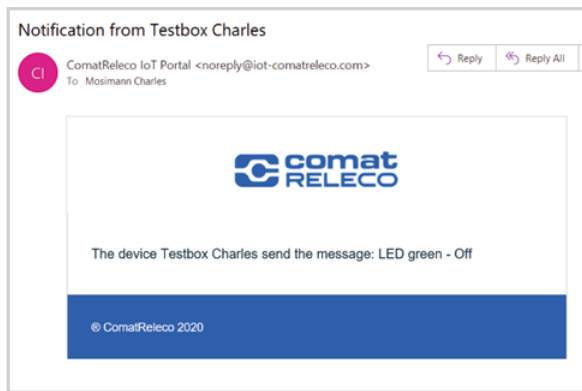


SMS to machine is sent **without header**, so it is compliant to most machines, such as pager, alarm servers, etc.

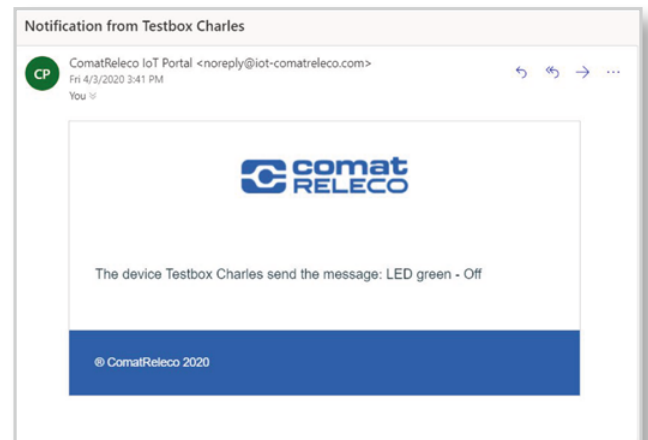
## 5. Use the device

### I/O, Status Messages / Notifications

#### E-mail

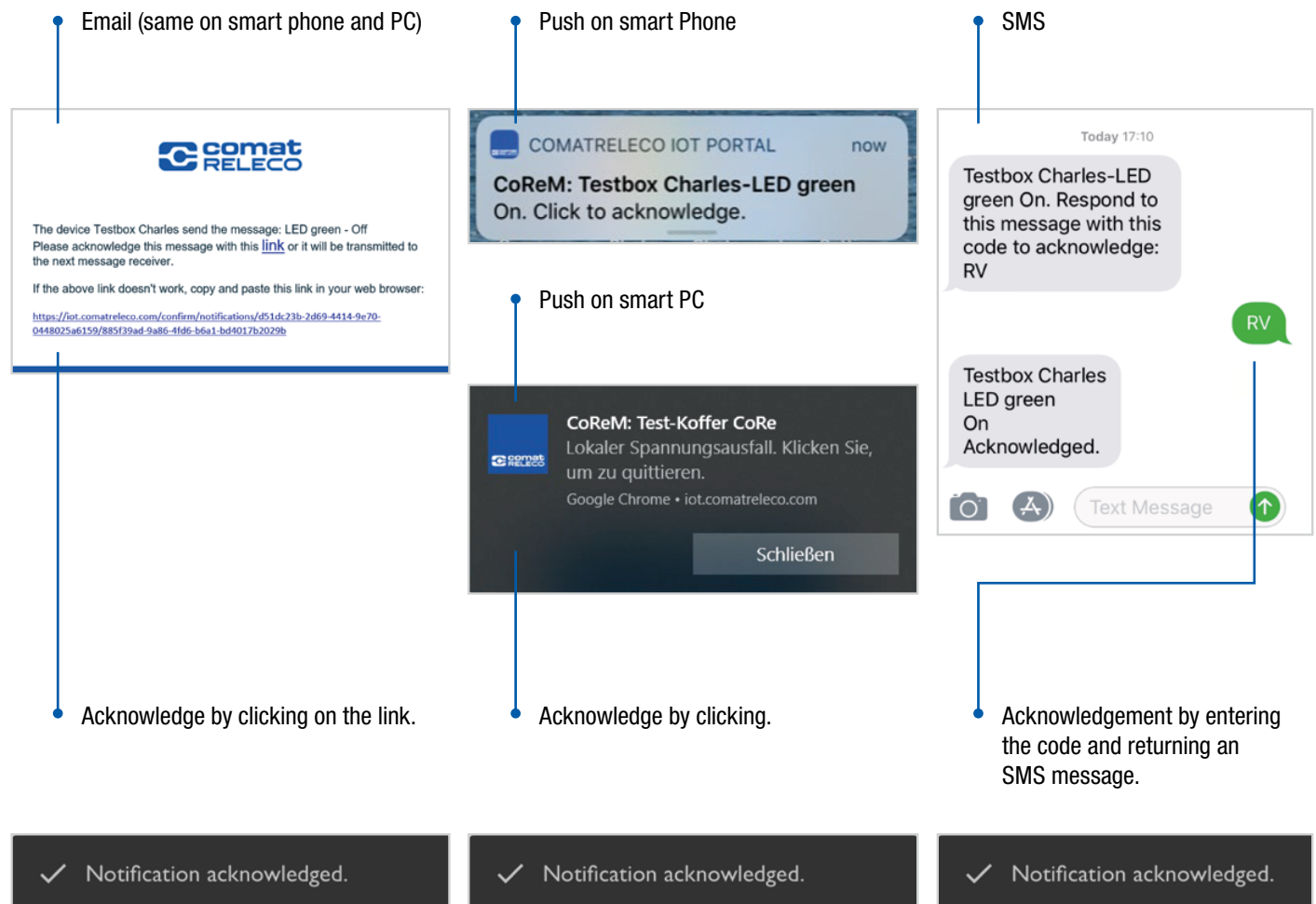


#### E-mail to machine



## 5. Use the device

### Acknowledgement



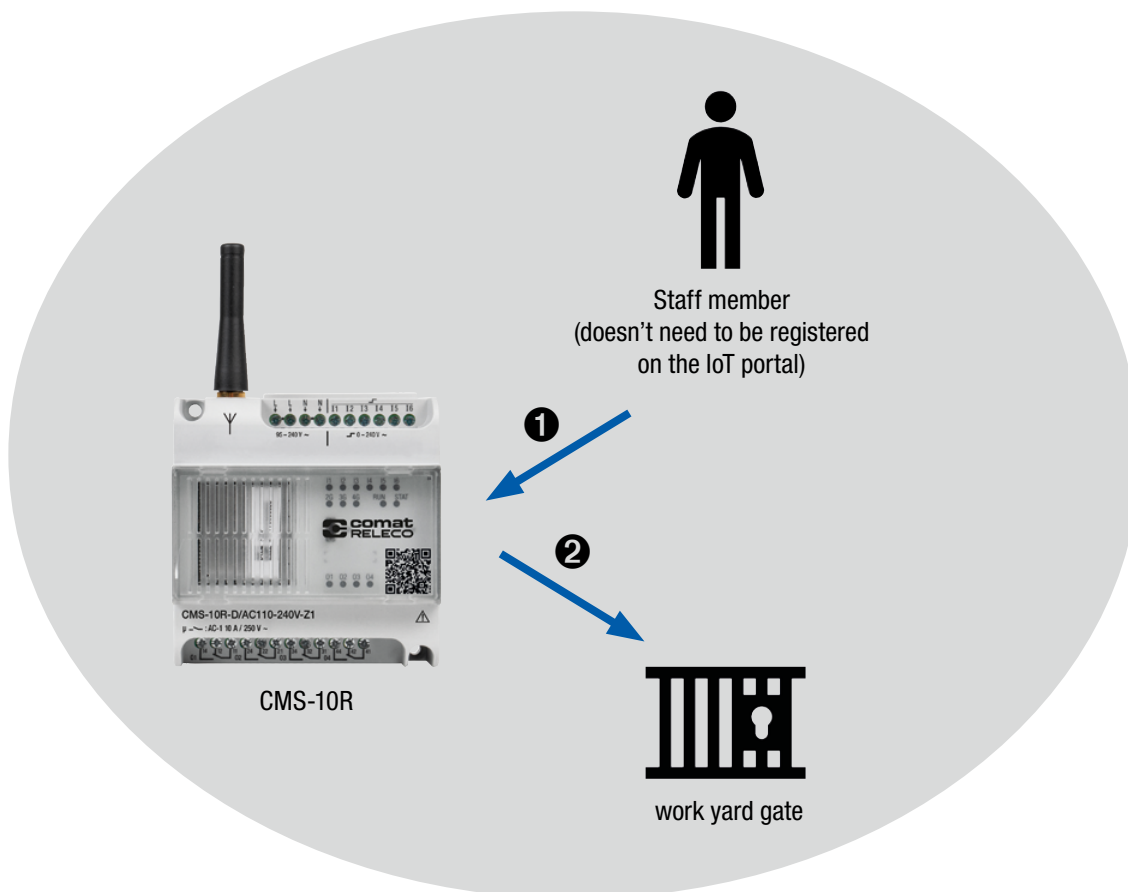
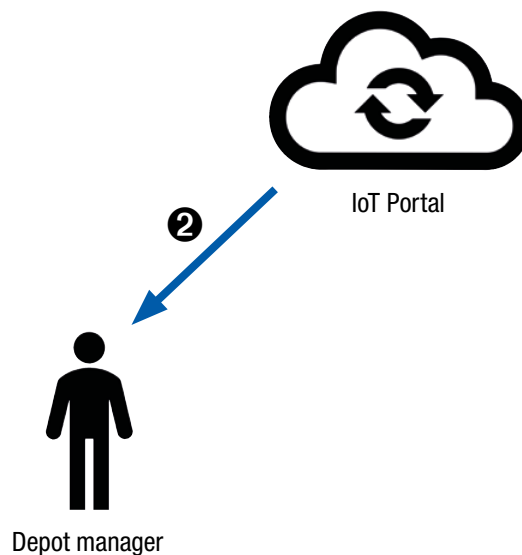
## 6. Application example

### Access control

#### Access control of a work yard from a community with different employees.

Define an access code, i.e. SMS message, to switch an output. Distribute the access code to different people who can open the gate.

- 1 An employee sends the SMS code to CMS-10R.
- 2 CMS-10R switches the output, an e-mail is being sent to the manager that someone entered the work yard.

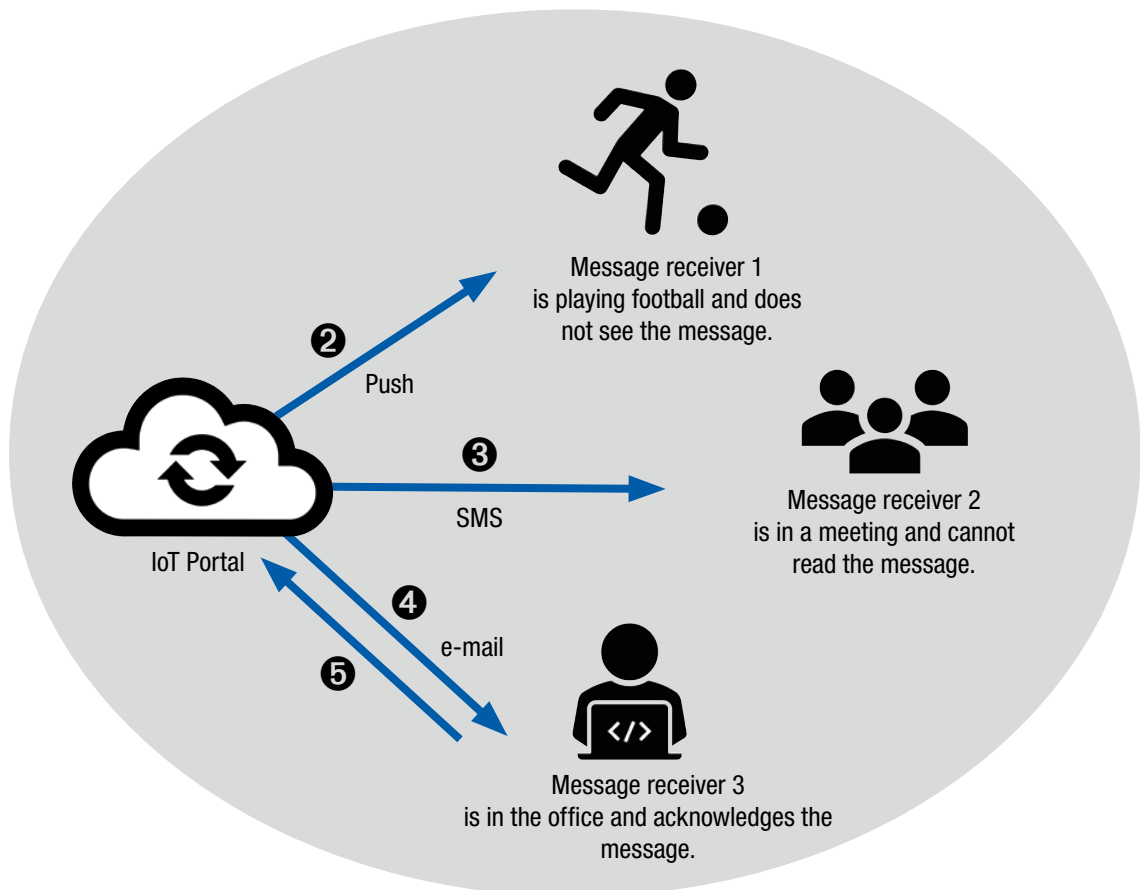
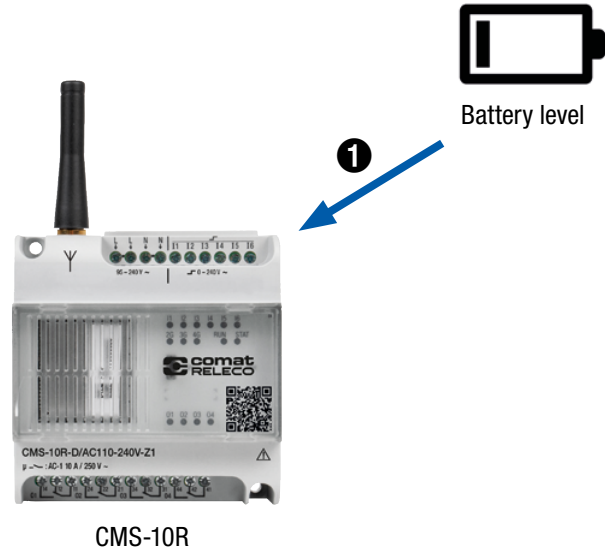


## 6. Application example

### Acknowledgement with acknowledgement loop

#### Acknowledgement of a message from monitoring a battery charge.

- ❶ Level reaches threshold, input 1 of CMS-10R changes.
- ❷ IoT Portal sends a push notification with acknowledgment request to receiver 1.
- ❸ Not acknowledged within defined time. IoT Portal sends an SMS notification with acknowledgment request to receiver 2.
- ❹ Not acknowledged within defined time. IoT Portal sends an e-mail notification with acknowledgment request to receiver 3.
- ❺ Message receiver acknowledges.

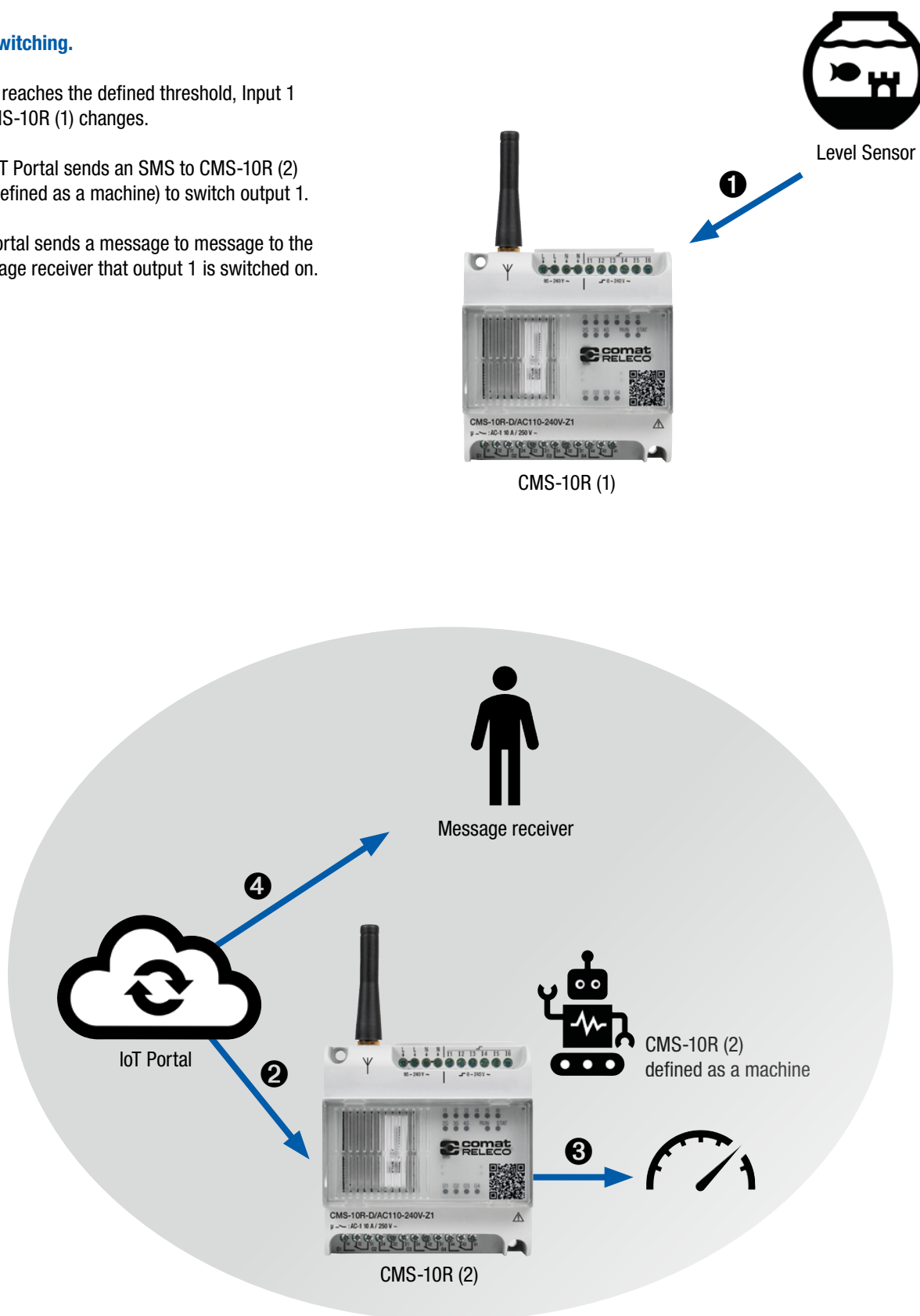


## 6. Application example

### Remote control

#### Remote switching.

- ❶ Level reaches the defined threshold, Input 1 of CMS-10R (1) changes.
- ❷ ❸ IoT Portal sends an SMS to CMS-10R (2) (defined as a machine) to switch output 1.
- ❹ IoT Portal sends a message to the message receiver that output 1 is switched on.

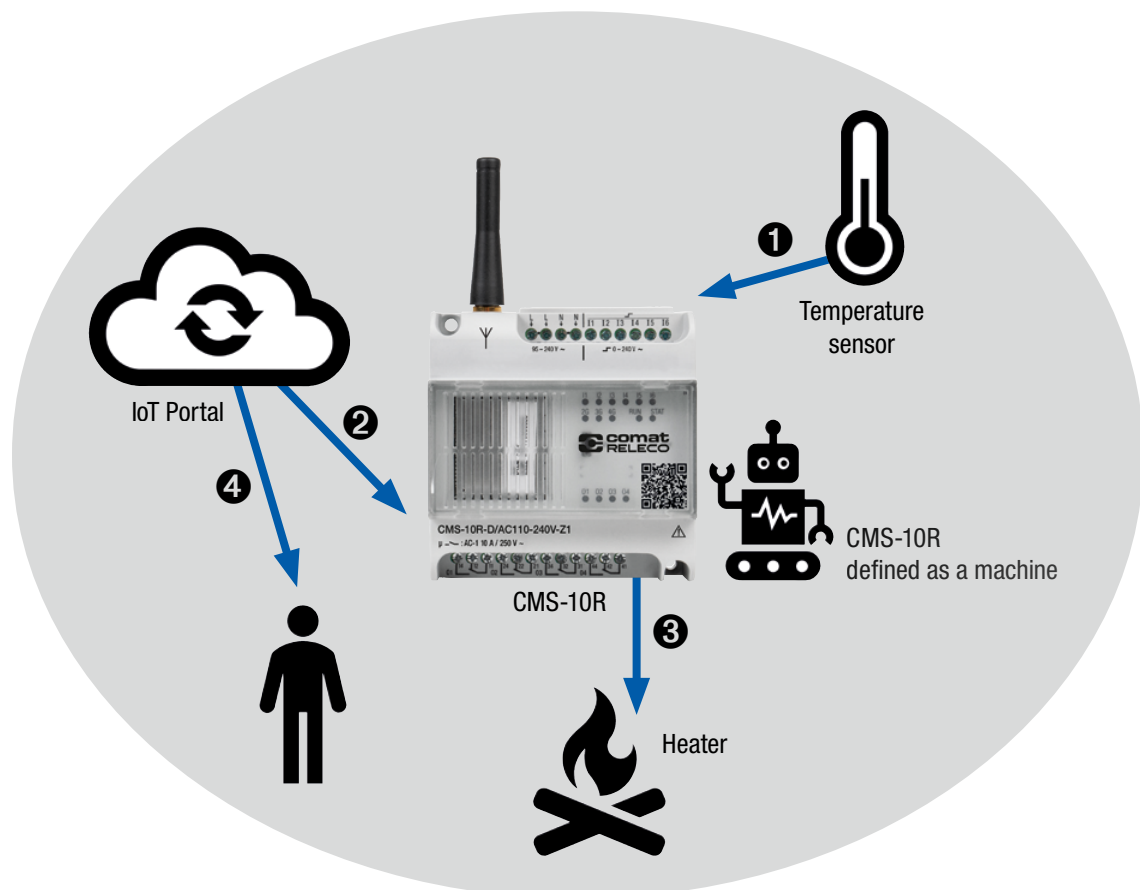


## 6. Application example

### Very simple control system

**Measure the room temperature and switch the heater automatically on with information to the owner.**

- ❶ Temperature sensor indicates a temperature that reaches the threshold as defined in the configuration.
- ❷❸ IoT Portal sends an SMS to the CMS-10R (defined as machine itself) to switch output 1.
- ❹ IoT Portal sends a message to the owner that output 1 is switched on.



## 6. Application example

### Pager, alarm server

**CMS-10R sends messages from a control box to a alarm server.**

- ❶ For example, the control box lost power, indicated on input 1.
- ❷ IoT Portal sends an SMS to the pager, alarm server and an e-mail to the technical manager in charge.
- ❸ The pager, alarm server sends an alarm to the service engineer on duty.

