Irrigation Machine - Take Control, Remotely

Select your control unit and follow the instructions.

Please understand that we have no direct control over the software version of the machine computers and that these instructions may differ slightly from those on your machine.

If you have any further questions about the machine configurations, please contact us at www.raindancer.com/contact

- Beinlich 2KR
- Nortoft PR10-12
- Setup Hüdig Control
- Ocmis API
- Irrimec Dosidis+ IP
- Beinlich 4KR

Beinlich 2KR

Settings in Raindancer Mode

Set-Up the Raindancer Mode

Setup the GSM Module in Parameter-Settings

Buttons for entering the Parameter-Settings: MENU + D



1. Choose "GSM" with A/B and select with C
2. Choose "Raindancer" with A/B and select with C and save with D

Setup the Raindancer-Connection in Main-Settings

1. Enter Main-Settings with 

2. Choose "Raindancer" with A/B and select with C
3. Type in Your Machine Number (freely selectable - example 001)

4. At "Own" type in the SIM-Number (format: +31.....)
5. At "Server" type in +4915251045215
6. Confirm with D

Done!



Own number:

This is the number of the SIM card that is installed in the control unit.
This number must also be stored in the Raindancer portal in order to access the machine

Server Phone Number:

+31 970 144 449 93

> **Attention - Poor Signal Reception**
> The antenna connection is installed at the bottom of the box.

Elektronik_2KRH_V6.8.pdf (German)

Nortoft PR10-12

For SMS Mode

1. Speed = 11,1 → Const 100.
2. **M.Data 30** = 1 *(All phone numbers can send commands)*

3. B = Enter Raindancer phone number in international format.
   RD-Classic Sim-Karte: **+3197014444993**
   RD-Conekkt Sim-Karte: **+6260**
   Own Sim-Karte: **+4915251045215**
4. **M.Data 50** = 1
5. Menu Buttons → Save.
6. Check: Text Message with **STATUS** to the Nortoft Controller
   → Status Text Message reply is expected

For Internet Usage

1. Speed= 11,1 → Const 100.
2. **M.Data 30** = 1 *(All phone numbers can send commands)*
3. **M.Data 50** = 2
4. Menu Buttons → Save.
5. Check: Text Message with `("IP":"SETUP","READ":0)` to the Nortoft Controller
   → Reply should contain Serial Number („SN“:)

> If a telephone number is set up in Nortoft for SMS configuration, the SMS reply may be sent to this number and not to the mobile phone that sent the IP setup SMS. With IP, the SMS number can be deleted.

Detailed Instructions

Set the computer to the configuration mode:
Set Speed to **11,1** (use Ë/¬ Buttons) and press 3 times the **PROG**-Button. The line with "Const **100**" appears.
Step up this Value using Ë/¬ to **111** then click **PROG** again .

You now have access to the "**M.Data**" list, which you can navigate through using the **PROG** button.
Please note that not all **M.Data** numbers are available. After **M.Data 24** comes **M.Data 30**. You cannot navigate backwards, but the list starts from the beginning after **M.Data 55** [depending on the firmware version of the device].

Set the value of **M.Data 30** to **1** using the Ë/¬ buttons. This activates the GSM modem. The following entries in the **M.Data list** are called A and B and represent two telephone numbers.
A restriction to two telephone numbers (**M.Data 30 to 2**) is only permitted in SMS mode.

For Operation via IP

- Set the value of **M.Data 50** to **2** using the Ë/¬ buttons.
- Save the entries by pressing the Menu button. This will take you out of configuration mode (M.Data list) and 'Status Power On' should appear.
- The serial number is labelled on the device and must be set as the identifier for the irrigator in the Raindancer portal.
  The telephone number of the device SIM card must also be stored in the portal. As soon as the irrigator is configured and has a sufficiently good connection to the wireless network, you should be able to observe communication with the device.
- To verify this, the serial number can be requested by sending a text message to the SIM card. The device sends a reply to the message `("IP": "SETUP", "READ":0)`, which contains the serial number ("SN":).
- However, a proper function check only works if the remote control device with the serial number is assigned to the client via the client administration and an irrigator with the serial number & telephone number) has been set up. PING messages are then sent to the remote control screen every 5 minutes.

For Operation with Text Messages

- Use the Ë/¬ buttons to set the value for **B after M.Data 30** to the Raindancer telephone number in the style +491520xxxx.
  It is important that the **entry B is used**, otherwise the communication won't work.
  If you have been supplied with a SIM card, use the following telephone number depending on the SIM card.
  Raindancer SIM card: +3197014444993
  RD-Conekkt Sim-Karte: +6260
  Own SIM card: +4915251045215
- Set the value of **M.Data 50 to 1** using the Ë/¬ buttons.

- Save the entries by pressing the **MENU** button. This will take you out of configuration mode (M.Data list) and something should appear **Status Power On**.
- If you send the **STATUS** command to the machine via text message the computer should send a status message to the set telephone numbers.

Setup Hüdig Control

The following settings must be made for Hüdig Controls.

1. Activation of the GSM/SMS control
   Save the SMS connection
   Setup on the portal

Activation of the SMS control on the hose reel

A SIM card must be inserted into the machine and a configuration made on the Huedig Control.

Detailed instructions can be found in Huedig Control complete (DE) on page. 25

Setting up SMS control via Text Message

Once the SIM card has been inserted and activated, control text messages can be sent to the computer.

Setting the Event Query

There is a defined pattern for this:

`T 01 (Slot bis 19)`, `Server Number (003197014444993)`, `9(all Events) Name`

> **Beispiel:**
> T 01,003197014444993,9 RD

Setting the name of the irrigation machine in answers for easier assignment

There is a definite scheme for this:

`T 20 (Slot for Name)`, `Server Number (003197014444993)`, `Name of  Irrigator`

> **Beispiel:**
> T 20,003197014444993,Irrigator 4

Checking the entered data

As soon as all settings have been made, queries can be sent to the Hüdig controller to check the respective memory data registers.

`R` + `Number of Register`

> R 01

> **Irrigator 4:**
> T 01,003197014444993,9 RD

Further settings

For further settings there is the Instructions for SMS control from Hüdig

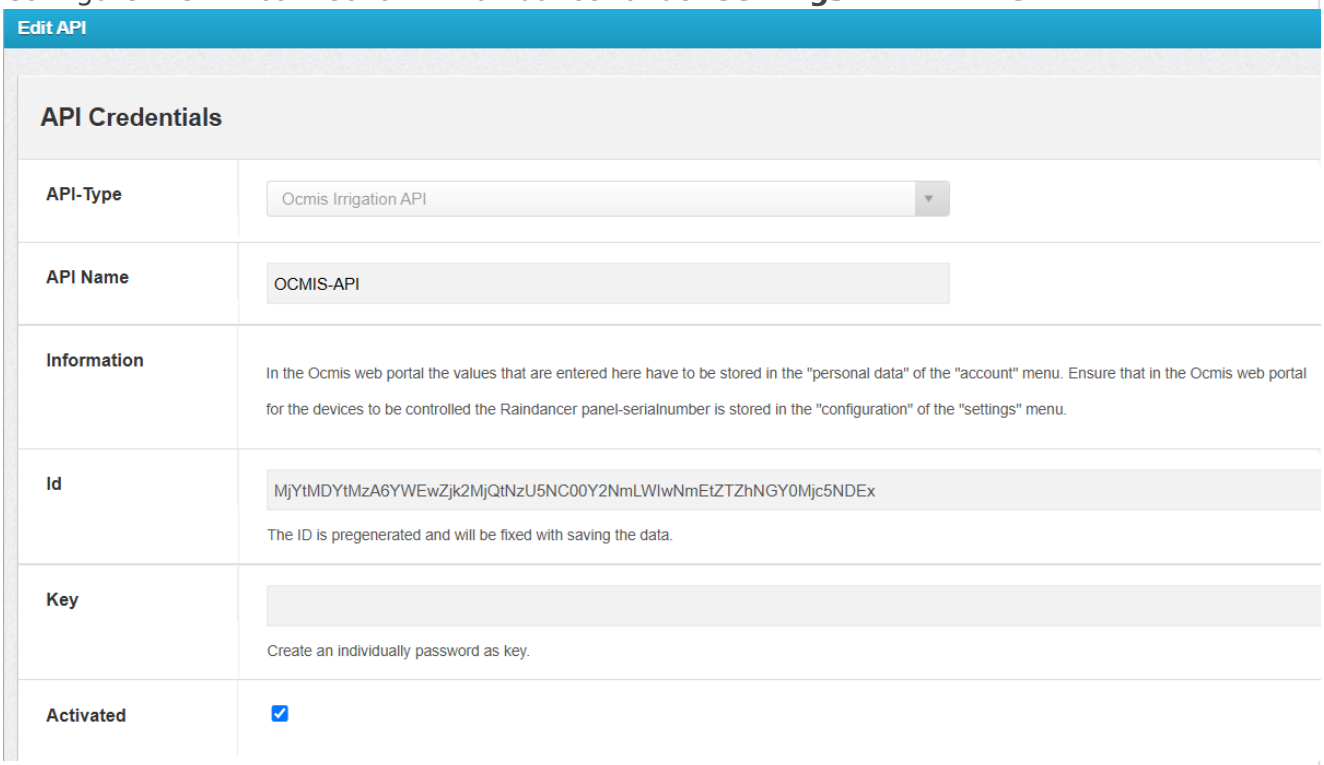
Ocmis API

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This guide applies to all IP controllers in the OCMIS product family running software version **24.0.1 or later**:
Irtec Smart Rain, OCMIS RainControl 5 & Marani

1. Create a New API in the Raindancer Portal

1. Configure the API connection in Raindancer under **Settings → API → New API**



2. **API Name:** Freely selectable
   Example: OCMIS API

3. **ID:** Automatically generated
4. **Key:** Freely selectable
   Example: Raindancer2026!

2. Configure the API and Irrigator in the OCMIS Portal

Enter the Raindancer API credentials in the OCMIS Portal.

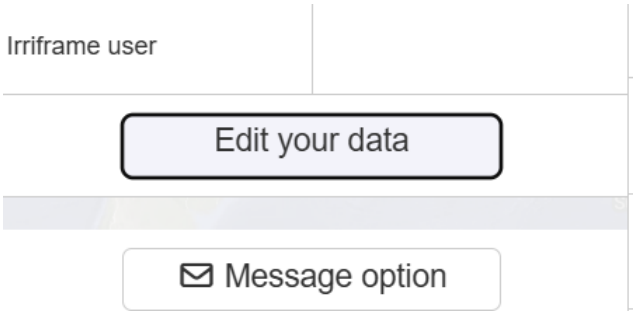
1. Log in to the OCMIS Portal (https://www.irriverso.com/)
2. Navigate to **"My Apps"** and click **"Digital Irrigation"**

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3. Click **"Account"**

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4. Click **"Edit Personal Data"**

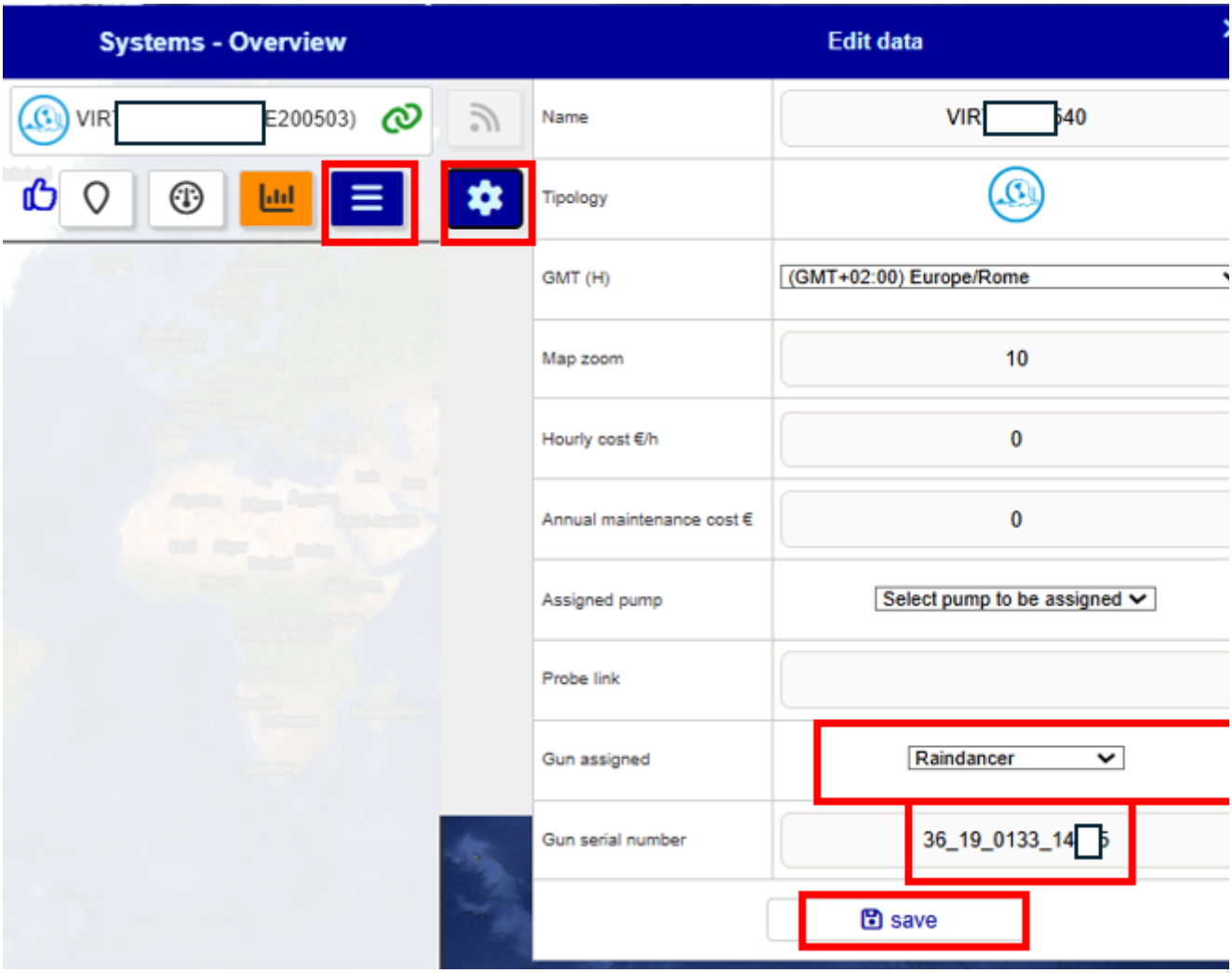


5. Enter the **API ID** and **API Key**, then click **Save**



Configure the Irrigator in the OCMIS Portal

1. Open the **Irrigator Overview**.
2. Navigate to **Settings → Configurations**.
3. Select **Raindancer Mode** and enter the serial number of the **Raindancer module** installed on the irrigator cart for this machine.
4. **Save**

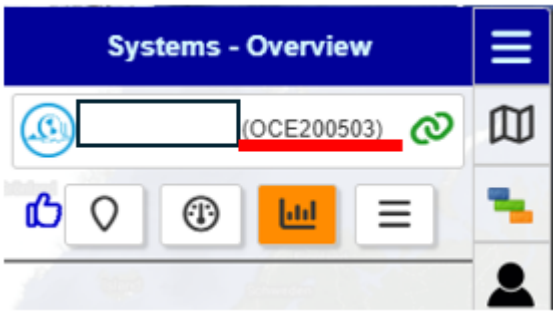


3. Assign the OCMIS Controller Serial Number in the Raindancer Portal

1 Find the Controller Serial Number

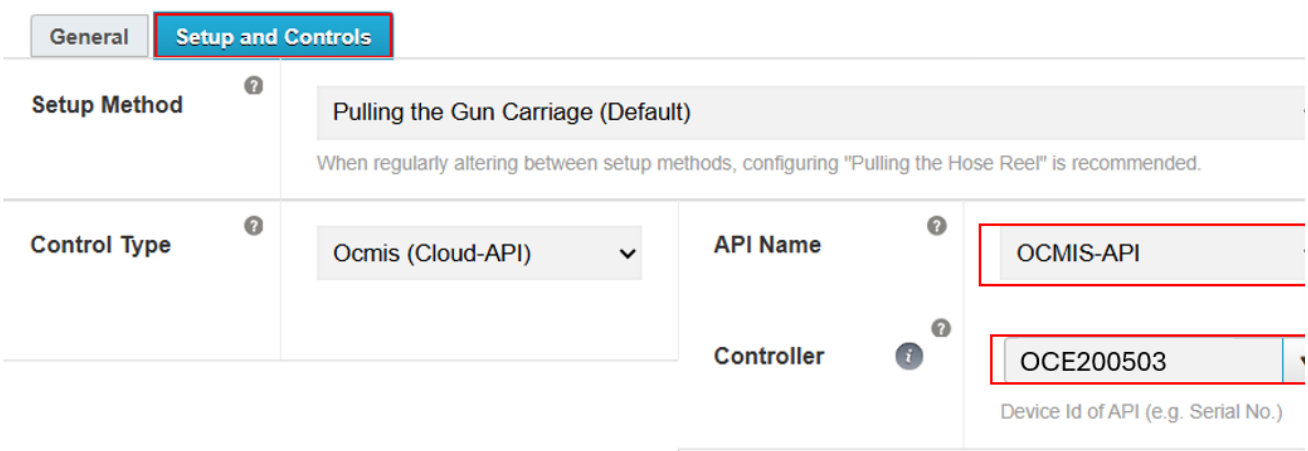
1. Log in to the **OCMIS Portal**

2. Copy the irrigator's serial number **without the parentheses**



2 Assign the Controller to an Irrigator

1. Log in to the **Raindancer Portal**.
2. Open the **Setup and Controller** section.
3. **Controller Type:** OCMIS API
4. **API Name:** The API name created in **Section 1.2** (Example: OCMIS API)
5. **Select Controller: Choose the copied serial number from Section 3.1 (Example: OCE200503)**



4. Set up the OCMIS control unit on the reel

For the following steps, it is necessary to familiarize yourself with the reel's user manual to avoid making incorrect settings. The manual also contains the access credentials for the various configuration menus of the OCMIS control unit.

It must also be ensured that the modem of the OCMIS control unit is active and that either a dedicated SIM card or the e-SIM of the installed router is working.

If you have any questions regarding the topics in this section, please contact your OCMIS sales partner!

Activate Raindancer mode for the irrigator trolley

1. First, enter the password **ABC123** via the lock icon at the bottom left

   image.png image.png
   Image not found or type unknown

2. Now use the green arrow keys to scroll to the gun configuration, then use the rotary dial to switch to Raindancer mode

   image.png
   Image not found or type unknown

3. On the main page, click the cloud icon with the gear symbol
   image.png
   Image not found or type unknown

4. Click the "DIGITAL" button to switch to the Raindancer dependency mode
   image.png
   Image not found or type unknown

Irrimec Dosidis+ IP

Part 1: Setup on the Dosidis+ Device

What do you need?

- Device switched on and ready
- Appropriate SIM card (Raindancer or your own)
- Access data (APN) – you will receive this from your dealer or service provider

Setup steps:

First, insert the SIM card into the device. Detailed instructions can be found in the manual under section 7.C (page 32).

1. Press the **OK** button on the Dosidis+ device to enter the menu.
2. Navigate to the menu **"Data connection 7.0"**.
3. Under submenu **7.1**, activate **MODEM GSM**.
4. Under submenu **7.3**, you will find the IMEI number. Write this down, as you will need it later for integration into Raindancer.
5. Submenu **7.5** allows you to enter the APN settings. These depend on the SIM card used:
   - 2024 and before Connekt: **connectivity.io**
   - 2025 EU2: **global.melita.io**
6. Next, go to submenu **7.6 "SERVER CONNECTION"** and enter the following details:
   - **URL:** „167.233.13.200“
   - **TCP/IP Port:** „44447“
7. sub menu **7.8 server connection = enable**
8. Finally, verify in the menu **"SERVER CONNECTION"** that the internet connection is shown as **"active"**.

What to do if the connection fails:

- Verify the APN, URL, and port data have been correctly entered.
- Check network reception at your location.
- Restart the device to establish a fresh connection.

> We recommend for Using the remote control a **firmware** of
>
> - Dosidis+ of Irreg13 3 03 (11.02.2026) or higher
>
> - Dosidis2 of Irreg12 6.02 (11.02.2026) or higher

Part 2: Integration into Raindancer (only by a service partner)

This part will be carried out by your Raindancer service partner.

1. Provide your service partner with the previously noted IMEI number.
2. The service partner will register the IMEI in the Raindancer system under:
   - Menu item: **"Edit Irrigator" → "Irrigator Control"**
   - Select control type: **Irrimec Dosidis+ IP**

Beinlich 4KR



Create API users in Raindancer

Create a new user in the user overview on the Raindancer Portal
Username: API User
Password: You decide this!!! PLEASE MAKE A NOTE OF IT!!!

Store API user data in the Beinlich Cloud

Logging into the Beinlich Cloud

1. Open the Beinlich Cloud using the following link:

   https://everrain.beinlich-beregnung.de
2. Log in using your personal credentials.
   These are provided by Beinlich.
3. In the top menu, navigate to the **“Connection”** section.
4. Enter your login credentials.
5. Click on **“Test Connection”**.

6. If a green check mark appears, the connection was successful.
7. Finally, click **“Save”** in the bottom right corner to store your settings.

> If the connection test fails, please check the API user in the Raindancer portal again as well as the entries in the Beinlich Cloud. If it still does not work, please contact your Beinlich partner or Raindancer.

Configuration in the Raindancer Portal

- Switch to the Raindancer portal.
- Open the irrigator overview.
- Select the desired irrigator and click **“Edit”** in the corresponding row.
- Navigate to the **“Setup and Control”** tab.
- Select **“Beinlich API”** as the control type.
- Then choose the appropriate control device from the dropdown menu.
  This device is named after your irrigation system in the Beinlich Cloud

> Where to Find the SWS Number on the Machine. The SWS number can be found in the main menu of the Beinlich controller. Alternatively, you can open the controller and read the SWS number on the inside of the cover. Please note that it may be difficult to access or read due to internal wiring.

Configure the Beinlich Controller before first use

If the machines are not yet displayed online in the Beinlich Cloud during the initial setup, this may be because the controllers first need to be configured.

The configuration can be completed easily in just a few steps. Please follow the step-by-step guide in this 4KR Verbinden mit dem Everrain Portal (2).pdf.

Costs

Billing for the Beinlich Cloud, including the SIM card, is handled directly by Beinlich and charged to the end customer.

As of April 22, 2026, the annual fee is €100.