

OASIS Cloud RO Controller Operational Manual





OASIS Cloud RO Controller

OASIS Wi-Fi RO Controller

The OASIS Cloud RO controller is designed for monitoring your reverse osmosis water system from anywhere, anytime, 24/7. You can easily keep track of your RO system status and all parameters required for RO operation at all times!

Most RO equipment on the market is designed to use a raw water flushing mechanism. However, in brackish water and seawater desalination RO equipment, pure water flushing is applied to greatly extend the life of the RO membrane. The Oasis RO controller can be used in both applications.



OASIS Cloud Management Platform

The OASIS Cloud Management Platform can provide more complete operational data, A simple and clear design allows you to see at a glance how many devices are operating or alerting through mobile phones or desktop computers.

It provides you with a convenient integrated IoT analysis platform service that allows You can monitor various devices anytime and anywhere with visual real-time data charts and analysis tools.





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1. C-5TM RO Controller Overview Control Panel



Status Indicator Description

Status Indicator	Color	Description
Full	Red	When the permeate storage tank is full, the RO system will stop producing water and enter standby mode.
Flush	Green	The system is undergoing an automatic flush cycle for the RO membrane.
Pump	Green	The RO high-pressure pump is operational, producing water.
Low	Red	The inlet water pressure is below the default pressure.
Inlet	Green	The water inlet solenoid valve opens, initiating the water supply.
Wi-Fi	Blue	When the permeate storage tank is full, the RO system will stop producing water and enter standby mode.



Control Buttons

Con	trol Buttons	LED Display	Description
	+	8.8.8.	The value increases with each press.
	-	8.8.8.	The value decreases with each press.
SE	T/ FLUSH	8.8.8.	 While the RO system is running, press the SET/FLUSH buttons once, and the RO membrane flush starts (30 seconds countdown). Pressing again will stop the flush countdown and resume normal operation.
			 Press and hold for 3 seconds to enter the Setup Mode.
			 Use the +/- buttons to select Setup Mode, then press again to enter numerical mode. Use the +/- buttons to adjust to the desired value, then press again to confirm
	ELU.		
Setup	FUL	666	seconds).
Mode	OSC	858	Scheduled flushing interval setting (Preset to flush every 360 minutes).
	SFH	SEH	Automatic Startup flushing time setting (Default is 30 seconds for each flush).
	FOC	EBE	Timed/Manual flushing time setting (Default is 30 seconds for each flush).

NOTE : You can also customize the security password mode, please contact us.



Display Description (OPA Mode)

LED Display li	ndicator Status	Description
	L FLUSH PUMP LOW INLET	When the power is on, the screen will first display " 888 " and the default mode " OPA ", then the raw water solenoid valve starts and feeds water.
	L FLUSH PUMP LOW INLET	Startup Flush: the screen displays " 030~000 ", and the countdown is 30 seconds.
	L FLUSH PUMP LOW INLET	Start the pure water production, the number displayed on the screen is the TDS value of the pure water, and the indicator " PUMP " lights up.
	L FLUSH PUMP LOW INLET	Start the Timed Flush: The default setting is every 6 hours flushing 30 seconds, and the screen displays a countdown of "A30~A00".
	L FLUSH PUMP LOW INLET	When the water tank is full, start to Tank-Full flush for 30 seconds, and the system will stand by.
	L FLUSH PUMP LOW INLET	When the water tank is low (below the set pressure), the display shows " LO ", the indicator LOW/INLET lights up, and the system will continue to feed water.
		The wastewater end will continue to drain until the inlet water pressure reaches the set value. When the indicator " LO " lights off, the system will flush for 30 seconds and resumes water production.

NOTE If the pressure cannot reach the default value, please turn off the power and check your inlet water pressure. It is recommended to double confirm with the factory your raw water inlet pressure before installation.



FULL FLUSH PUMP LOW INLET

button once, and the system will start a 30-second flush, and the system will begin a 30-second flush. Following the flush, the system resumes water production. The default TDS range is 0 to 999 ppm, and the display flashes beyond the range of 999. (OPA mode is suitable for raw water TDS <1,000ppm)



Additional Information

- 1. The high-pressure pump remains inactive during Boot Flush Mode.
- 2. In Flush Mode, the high-pressure pump is activated only for Manual and Timed Flush.
- 3. There are four Flush Modes: Tank-Full (FUL), Timed (OSC), Startup (SFH), and Manual (FOC). The flush time can be adjusted from 0 (off) to a specified number of seconds per unit.
- 4. Timed Flush operates based on water-making time and is reset after Manual Flush. Timed Flush is only counted according to the water-making time, and it will be re-timed after Manual Flush.
- 5. About Low-pressure Alarm:

When the reverse osmosis (RO) equipment begins producing water, if the low-pressure alarm activates, the system will temporarily halt production, after a 3-second pause, the low-pressure alarm will be reset, and water production will resume.

However, if the low-pressure alarm is triggered repeatedly five times within one minute, the RO system will enter a shutdown state. It will remain in this locked state until the power is restarted to initiate water production again.

This process ensures that the system responds appropriately to unstable pressure situations. If the problem persists, suspend the device and consult a professional.



2. OASIS Cloud Management Platform

Environment Set Up

Make sure your RO system is running and producing pure water successfully.

For optimal performance, it is recommended to set up a dedicated and independent WiFi network for Oasis. When pairing the Oasis Cloud app with an Oasis RO Controller, temporarily disable other WiFi networks in the environment to prevent interference.

Get Start

Pairing the Oasis Cloud with the device

1. Download the OASIS_Cloud Apps from Google Play. Your phone has to be Android 9.0 or higher.





 Register your account. Follow the instructions. Account name, password, and email address are required.* Password must be at least 6 characters long and contain at least 1 English uppercase and 1 English lowercase.

CASIS® C more comprehensive operational	CASIS*
everything at a glance.	Last Name*
•	Please enter your full name, so that your collaborative partners can clearly identify who you are.
G Sign in	E-Mail*
E-Mail Address	To ensure that you are a legitimate user, this email address will be used as your
Password 🗇	Password 🗇
Login	Back
Forgotten Register Password Account	Continue

- 3. Please connect your phone to the same WiFi network that the Oassis RO Controller will be connecting to.
- 4. In the "Home" or "Device Management" on the main menu, Tap "Pair Device".





- 5. Enter the WiFi name and password.
- 6. Press and hold the **"UP"** button on the RO controller for approximately 3 seconds until you hear a long beep sound. Afterward, the blue light in the upper right corner will illuminate, and after about 3 seconds, it will start flashing to indicate pairing mode.
- While the blue light is flashing, tap on "Pairing" and wait for the connection to complete. Once "Pairing Completed" appears, the blue light will stay illuminated. Press "Back" to return to the "Home" screen.







PLEASE NOTE :

- 1. Let the blue light on the RO controller flash for at least three seconds before starting the network configuration/pairing process because broadcast signals are being sent.
- 2. If there are other broadcast signals on site (two Wi-Fi devices send broadcasts at the same time), the blue light on the RO controller will be off and the connection won't be possible.
- 3. The RO system has just been powered on, the pairing/network configuration may fail when the RO system/RO controller is on "Startup Flush" mode.
- 4. If the pairing fails or the time expires, you need to press the "UP" button again and wait for the blue light to flash before proceeding with the network configuration process.
- 5. If pairing with the controller still fails despite following the previous steps, try rebooting the RO system til it returns to normal then proceed with the network distribution procedure.
- 8. If "*Pairing Failed*". Pleas tap "Stop Pairing" and repeat the step 6-7 again. Until "*Pairing Completed*" appear.

Pairing Failed	Device Manag	ement
Device WiFi Connection	Device List	Pair Device
Password	Collaborators	Device Name
	• 4	OASIS C5TM Taipei
Stop Pairing	• •	OASIS C5TM PingDong
Waiting for connection 14		

9. The blue light on the controller remains illuminated, and the app automatically updates the RO system status. If you need to add another RO system device, you will need to repeat the procedures starting from step 3.



Monitor Your Device

Device Management

In the "Home" or "Device", tap the device name you wish to see the data. Additionally, you can access more functions by tapping the "Setting" Icon at the top-left corner. You can monitor Raw Water and Pure Water's TDS, Flow, Pressure...etc.

ROTEK Hom	e≢ -	@×	OASIS C5TM 2309260022	∕I ⊗ 2 Taipei	OAS 230	SIS C5TM 9260022	8 Taipei
Agent	Device	Alerts	© Producir	ng Water	2309	Producing	Water
ل Notice	Document		TDS (ppm) Raw Water 206	Alarm ⊢ History		Download	y
•	4 OAS	ei	Pure Water 14	Water Production times	Ē F	emove Device	ames
•	0 OAS Ping	Dong		776			776
			Flow Pure Water (Ipm) 0.6	: Waste Water : 4.8	Flow (lpm)	Pure Water : 0.6	Waste Water : 4.8
Showin	ng 1 to 2 of 2 e	ntries	Pressure Raw Water	RO Water :	Pressu	Raw Water : ire	RO Water :

Rolling down you can see 3 charts of different data.





12/10:33 2100

RO pressure

2110.33 21100

Rename Device, Edit Device, & Remove Device

In the Device Setting drop-down menu, tap "Edit Device", you can change the device name, location,...etc. Then tap "Save Changes"

OASIS C5TM 2309260022 Taipei	Edit Device × Device Serial Number :	Device Name * OASIS C5TM 2309260022 Taipei
2309260022	2309260022	Device Description
Producing Water	Device Information	Taipei
	Notifications	Country
Download		Taiwan \$
/ Edit Device	Device Name *	
III Remove Device	OASIS C5TM 2309260022 Taipei	City
unies	Device Description	T'ai-pei county +
776	Tainei	Address
		Address
Flow Pure Water : Waste Water :	Country	
^(lpm) 0.6 4.8	Taiwan 🗘	Save Changes
Raw Water : RO Water :	City	

In the Device Setting drop-down menu, you can "Download" all the logs, or "Remove Device" to remove the device.

OASIS C5TM Image: Comparison of the second sec	Download Data , OAS C5TM 2309260022 Taipei
Producing Water	Select your preferred time per and format for downloading historical records
> Download	CSV Format
Edit Device	Start Time * End Time *
j Remove Device 776	Start Time End Time
Pure Water : Waste Water :	
Raw Water : RO Water :	Showing 1 to 2 of 2 entries



Share Your Device

Agent / Collaborator

- 1. In the "Home" on the main menu, tap the "Agent", then tap "Invite Collaborators".
- 2. Enter the name and email of the collaborator you want to invite,
 - then tap "Send Invitation".



3. The invited collaborator will receive an email containing a verification link. They must click on the link to verify their account. Once verified, you will receive a notification (accessible via the "**Bell Icon**" in the top-right corner).



Purification For Lif

4. Tap the square displaying the number of collaborators bonded with this device, located next to the device name.

Ensure to check those options/boxes and then select "**Save Changes**", can access the data of the device.

5. You can revisit this section later to adjust the settings as needed.

Homen - evice Manage	ement	Taipei	230926002		e.		
Device	Pair Device	Name	Read 🗣	Modify	Export 🗘	Notify 🖣	Sti
List		Taipei ro@rotekwater.com	~		~		
Collaborators 🔻		Taipei roco@rotekwater.com	~				
• 4	Taipei	Pintun jani@rotekwater.com					
• •	OASIS C5TM 2	Taipei wat@rotekwater.com	~		~		
		Tainan ata.rotek@rotekwater.co	m				
Showing 1 to 2	of 2 entries	4	Showing 1 to	5 of 5 entr	ies		Þ
Showing 1 to 2 t			0		Sav	e Changes	



Year Limited Warranty



We Cover

This warranty covers any defects in the parts or manufacturing of your Rotek Water Reverse Osmosis Water Filtration System. We will give you new replacement parts in exchange for any defective parts.

What to Do

Please contact your qualified local representative who can give you information based on your situation. Be sure to have a copy of your purchase confirmation email or receipt. They will verify that the product and problem are under warranty and help you arrange to send your defective part back to Rotek Water with your receipt and contact information (name, address, phone number, and email address). They will help arrange to send the defective part, and the delivery of your replacement part, as well as guide you through the installation.

Time Covered

This warranty is effective for 1 full year from the date of the original purchase.

Not Covered

This warranty does not cover labor for removal or installation, accumulation of dirt or grime (you are responsible for your own cleaning), systems with the serial number removed or altered, damage from improper storage (high or low temperature, sun damage, etc), damage from a system not installed as instructions directed, anyone other than the original purchaser, damage from system abuse or unintended operation of the system, acts of God, improper water source, modification, negligence, use of the system beyond recommended specifications, Filters, RO Membrane, incidental damages from system failure, systems used with parts not provided by Rotek Water (including tanks, filters, faucets, pumps, diverter valves), or cosmetic damages.

Your State

Some states has further regulation on damages and warranty coverage. You may have other rights depending on your state.

Email us: sales@rotekwater.com

