

Comet Aqua

INSTALLATION AND OPERATION GUIDE



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Comet Aqua

The following operating instructions will guide you during commissioning and use of your Comet Aqua and answer all essential questions. Please read these operating instructions carefully before using your Comet Aqua.

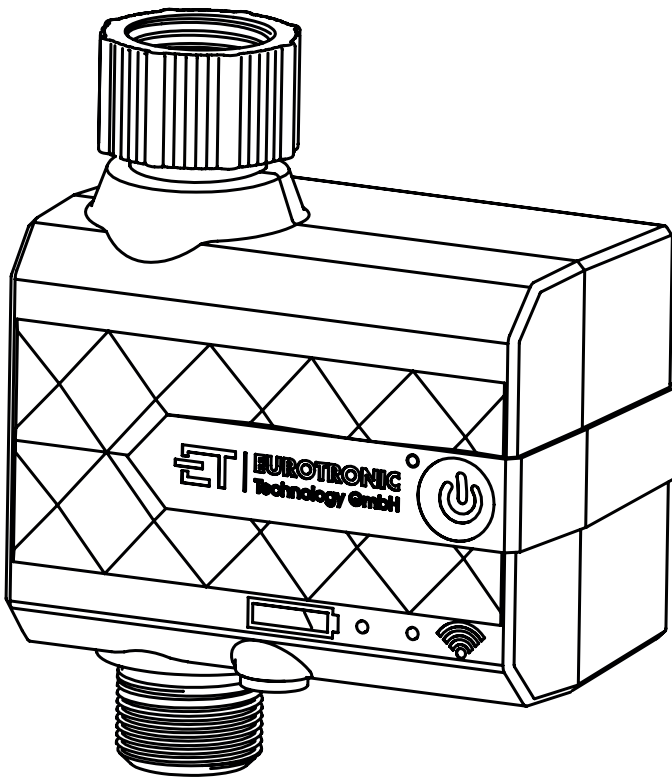
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1. SCOPE OF DELIVERY

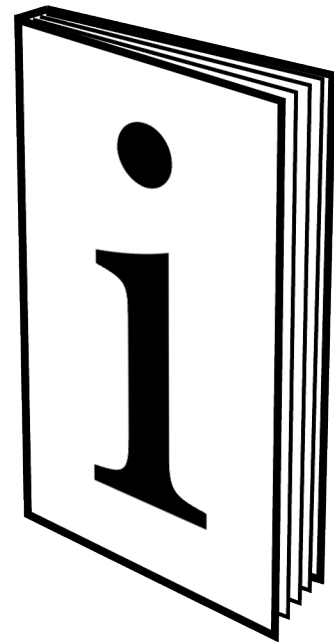
Comet Aqua

- 1x Comet Aqua
- 4x Batteries AA LR6 1,5V
- 1x Quick Start Guide

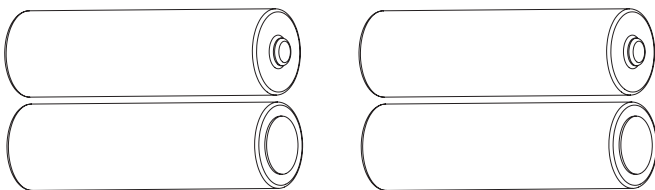
NOTICE: The images below are for illustrative purposes only and may differ from the actual product.



Comet Aqua irrigation automat



Quick Start Guide DE / EN



4x Batteries AA LR6, 1,5V

NOTICE: Check the scope of delivery for completeness and integrity.

2. SAFETY

Comet Aqua

SAFETY NOTICE! This signal word describes circumstances that can pose a safety risk.

SICHERHEITSHINWEIS

- Comet Aqua is made for outdoor use. Do not use indoors.
 - Comet Aqua is intended for private use in the garden, for controlling irrigation systems and sprinklers.
 - The Comet Aqua water computer must not be used in industrial applications or in connection with chemicals, food, easily combustible and explosive substances.
 - Only operate Comet Aqua as described in the operating instructions
 - Do not continue to operate the device if it shows obvious damage.
 - Comet Aqua may not be converted, modified or opened.
 - For reasons of functional safety, only use 1.5V alkaline manganese batteries (alkaline) type AA LR6.
 - To prevent the watering computer from failing due to a weak battery if you are away for a long time, the battery must be replaced when the battery symbol flashes.
 - The water computer may only be mounted vertically with the union nut upwards to prevent water from entering the housing.
 - The minimum water delivery quantity for a reliable switching function of the water computer is 20 - 30 l/h
 - The temperature of the water flowing through must not exceed 40 °C.
 - Only use clear fresh water.
 - The minimum operating pressure is 0.5 bar, the maximum operating pressure is 12 bar.
 - Avoid tensile loads.
 - Do not pull on the connected hose.
 - For safety reasons, children and young people under the age of 16 and people who are not familiar with these operating instructions are not allowed to use this product.
- Persons with restricted physical or mental abilities may only use the product while being supervised or instructed by a competent person. Children should be supervised to ensure they do not play with the product.

3. WARNING

Comet Aqua

WARNING! This signal word designates a hazard with a medium degree of risk which, if not avoided, can result in death or serious injury.

WARNING! EXPLOSION HAZARD!

Improper handling of batteries can cause an explosion.

- Do not heat batteries and do not throw batteries into open fire.
- Do not place batteries in direct sunlight.
- Protect batteries from excessive heat.
- Do not short-circuit the batteries.
- Never try to charge non-rechargeable batteries.
- Never disassemble batteries.
- Verwenden Sie keine neuen und gebrauchten Batterien zusammen.
- Beachten Sie beim Einlegen der Batterien die korrekte Polarität (+/-).
- Bevor Sie die Batterien einsetzen, reinigen Sie die Batterien und die Kontakte im Gerät.

WARNING! RISK OF BURNS!

Leaking battery acid can cause burns.

- Avoid contact of battery acid with skin, eyes and mucous membranes.
- If you come into contact with battery acid, immediately rinse the affected areas with plenty of clear water and consult a doctor.

WARNING! RISK OF INJURY!

- This product generates an electromagnetic field during operation. This field can affect the functionality of active and passive medical implants under certain conditions. In order to rule out damage to health, persons with the above-mentioned implants should consult their doctor and the manufacturer of the implant before using this product.
- If children play with the automatic watering device or the packaging, they can swallow small parts and suffocate.
- Do not let children play with the watering device or the packaging.
- Keep batteries away from children. Consult a doctor immediately if batteries are swallowed.

4. INTRODUCTION

Comet Aqua

With the Comet Aqua watering computer, the garden can be watered fully automatically at any desired time of day. The Comet Aqua can be used as a control unit for sprinklers, a sprinkler system or a drip irrigation system.

With the free Smart Garden app, you can create schedules for your irrigation. Operation and programming is quick and easy to understand thanks to the simply designed user interfaces. regardless of this, the Comet Aqua can be switched on and off manually with a touch on the power-button.

WiFi technology allows you to stay in control even when you're not at home. So you can react to the weather conditions at home even when you're on vacation and carry out your watering accordingly - not least to save valuable water.

Your advantage when setting up the Comet Aqua is that you only need a WiFi network at home, without an additional gateway. The automatic watering device is operated with 4 AA batteries and offers a cable-free installation.

To use the Smart Garden App and all of its functions, prior online registration is required by setting up a user account. As usual in this context, simply register with an e-mail address and a password. You are therefore in possession of the access rights to control your Comet Aqua.

The development and production are 100% "Made in Germany", which guarantees the highest quality and solid technology. These operating instructions will help you to put your device into operation quickly and easily.

operation and programming,
conveniently with the Smart Garden App



The device can be switched on and off manually at any time. Regardless of the programmed settings.

WiFi connection
Control and programming of the device
via your WiFi network

5. CONTROL AND DISPLAY ELEMENTS

Comet Aqua



- 1. LED lights 15 seconds green = Irrigation ON
- 2. LED lights 15 seconds red = Irrigation OFF

(When switching the device on/off via the app, the LED signals 1. and 2. not displayed on the device)

Short push = current device status is displayed

ON / OFF - 2 seconds short touch

Reset / Pairing - hold for 20 seconds, until only WiFi LED blinks green

- 1. LED light blinking green = Device in pairing mode
- 2. LED lights 10 sec. green = WiFi pairing was successful
- 3. LED lights 10 sec. red = WiFi pairing failed
- 4. LED blinking red = WiFi is disconnected (Error C1-C3)
- 5. LED lights 15 sec. green = when switches irrigation ON/OFF

- 1. LED lights red steady = The battery charge is low, the batteries should be replaced
- 2. LED blinking red = Battery charge is lower than 10%
- 3. LED flashing red = Device disconnect WiFi and close valve
- 4. LED lights 15 sec. green or red = shows battery status, when switches irrigation ON/OFF

PAIRING MODUS AND FACTORY RESET:

To activate the pairing mode, press the power button on your Comet Aqua for around 20 seconds. Meanwhile, the LED on the power button and on the battery symbol lights up green.

The LED on the WiFi icon flashes red during this time. As soon as this LED flashes green, the device is back in pairing mode.

6. INSTALLATION AND START-UP

Comet Aqua

The following explanations describe the procedure using an Android app and may differ slightly for Apple. In addition, the screenshots shown may differ from newer app versions.

6.1 DOWNLOAD APP

1. Download the "WiFi Smart Garden" app from the Google Play Store or Apple App Store.

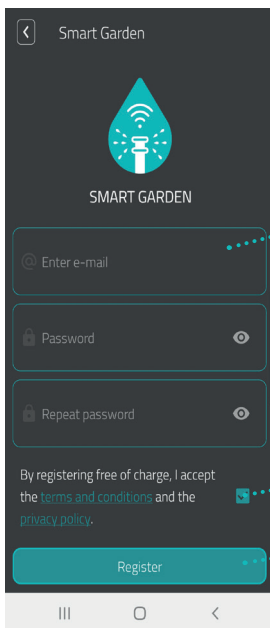


System requirements:
ab Android 6.0



System requirements:
ab iOS 13

6.2 CREATE USER ACCOUNT

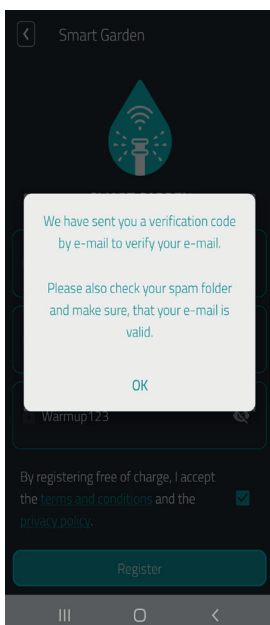


1. Create a user account. Enter your email and choose a password.

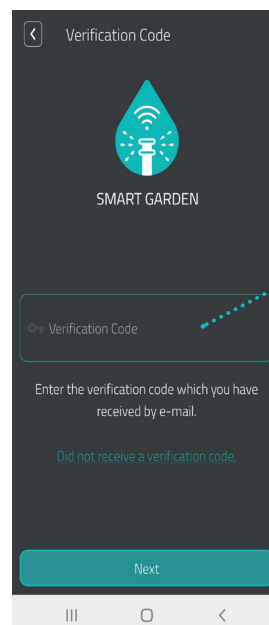
NOTICE: Make sure you enter a valid email address.
The app does not check the validity of the email.

2. Accept our terms and conditions and privacy policy.

3. Click on the "Create new account" button.



4. You will now receive a verification pin via email. Also check your spam folder.

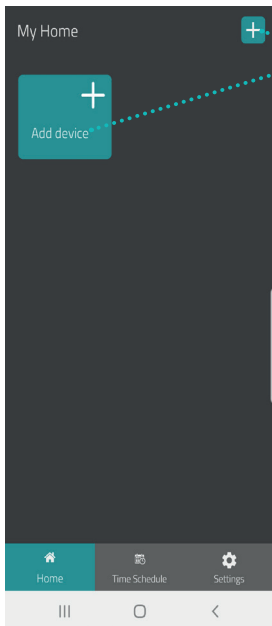


5. Enter the PIN, received via email.

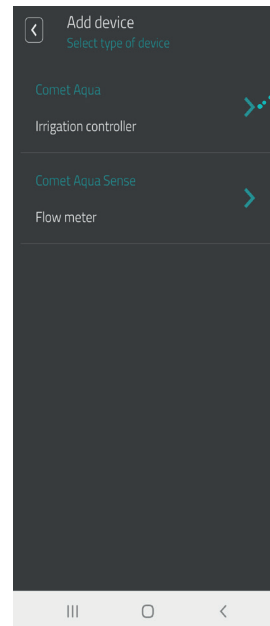
6. Then click on the "Next" button.

6.3 ADD NEW DEVICE

Comet Aqua

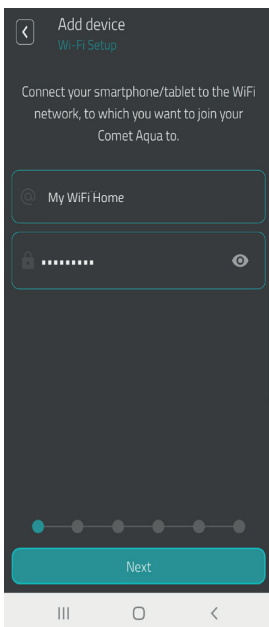


Teach in a new device by clicking on the "Add device" button (initial commissioning) or the "+" button. The set up assistant starts now and you are guided through the installation of your device.



Select the type of device that you want to include in your network.

6.4 CHOOSE WIFI NETWORK



The WiFi network to which your smartphone is connected is automatically displayed in this field. If you want to connect your Comet Aqua to a different WiFi network than the one shown to you, temporarily connect to a different WiFi network in your smartphone's WiFi settings and return to the app. The correct WiFi network is then displayed under "My WiFi network".

NOTICE:

In order for your WiFi network to be automatically displayed in the "My WiFi Network" field, the following factors must be met:

1. Your WiFi network must operate on 2.4 GHz, as Comet Aqua can only be integrated into a 2.4 GHz WiFi network. This can be viewed in the settings of your WiFi router and changed if necessary.
2. Your smartphone's location approval must be enabled.
3. The WiFi Smart Garden app needs permission to access your location while using the app. If you have denied location access in the app, go to your smartphone settings and adjust the permission. (Android: In the "Apps" area, you can grant the "WiFi Smart Garden" app location access again while using the app.)

Enter the password of your WiFi network correctly. This is important because the app cannot check your home network's WiFi password. You will continue to be guided through the setup wizard despite the incorrect password.

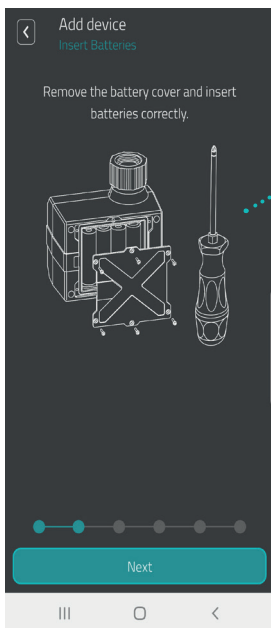
After entering the WiFi password, press Next.

NOTICE:

Comet Aqua can only be integrated into 2.4 GHz WiFi networks. Connection and communication problems can occur in mixed networks that transmit on both 2.4 GHz and 5 GHz.

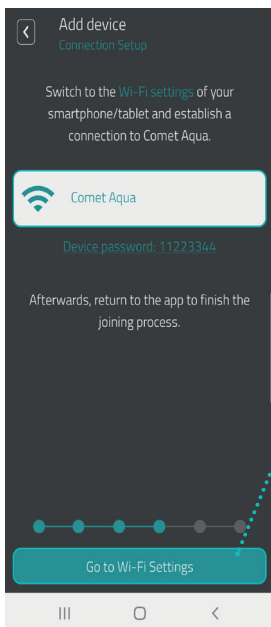
6.5 INSERT BATTERIES

Comet Aqua

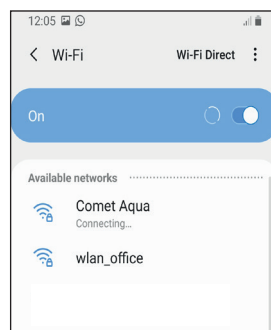


Insert the batteries.
Do not use rechargeable batteries and pay attention to the correct polarity!

6.6 SET UP COMET AQUA



1. Go to your smartphone's WiFi settings and connect to your device there. Your device will appear in the WiFi settings with the WiFi radio name "Comet Aqua".



2. Now connect to your Comet Aqua. Enter the device password specified in the app.

NOTICE: If a connection is established, it is possible that the device password will no longer be requested.

IMPORTANT HINT: After you have connected to your Comet Aqua in the WiFi settings, do not be confused by information such as "not connected to the Internet".

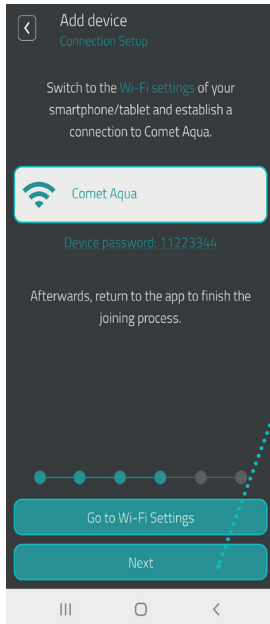
The WiFi network temporarily generated by the Comet Aqua is not comparable to your WiFi network at home, as it is a WiFi that is only necessary for the pairing mode. This WiFi has no Internet access.

Despite the message displayed, remain connected to the device and return to the app to complete the learning process.

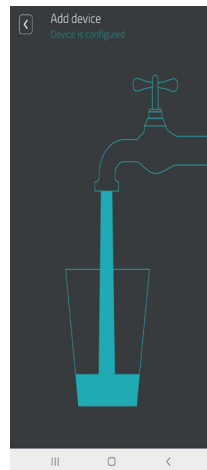
continued on next page... 11.....

6.6 SET UP COMET AQUA

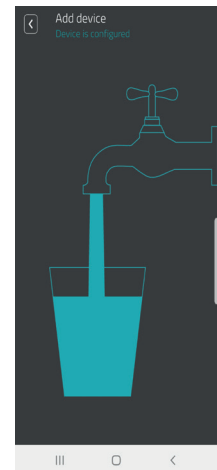
Comet Aqua



3. Click on the "Next" button after you have returned to the app. Your device will then be fully set up.



During the final connection to your WiFi network, a short loading animation appears.

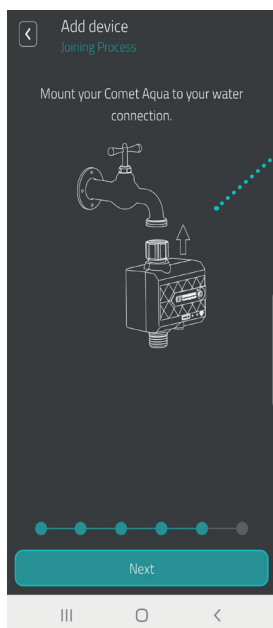


4. Your device will then be set up in the database and you will receive a message when the process is complete.

NOTICE: If the integration is not completed, temporarily deactivate the mobile data of your smartphone during the learning process. Also make sure that your smartphone's location data is enabled and that you have granted location access to the app.

6.7 MOUNTING AT WATER TAP

Comet Aqua

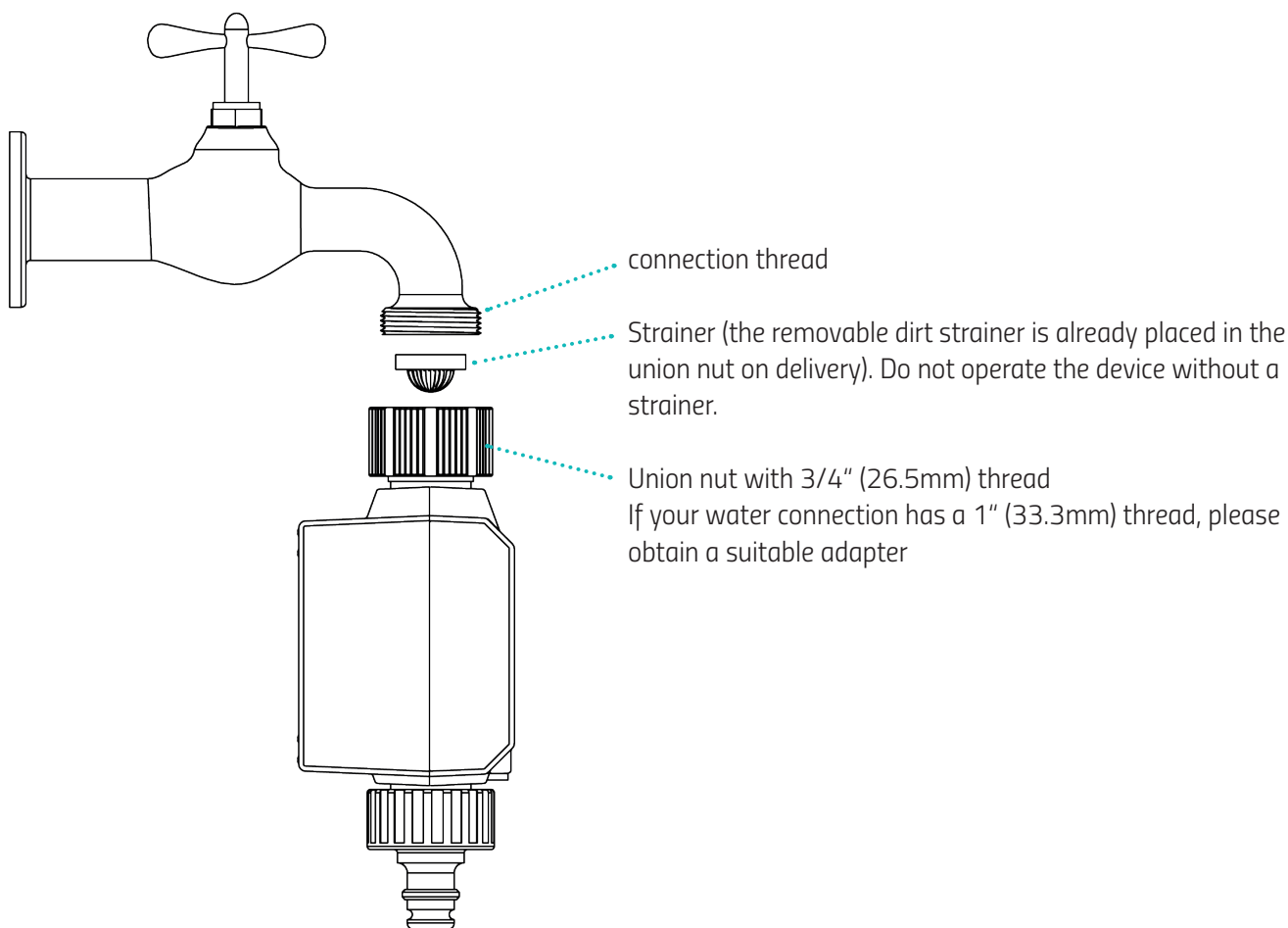


Now mount your device on the water tap by turning the union nut of the device onto the thread of the water tap until a sealing contact pressure is achieved.

NOTICE:

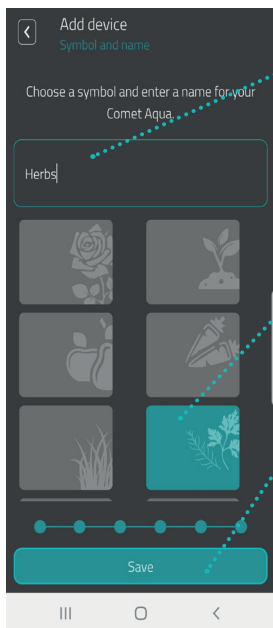
The Comet Aqua has a 3/4 inch thread for connecting to the water tap. If your faucet has a different connection size, get a suitable adapter.

The Comet Aqua is to be installed and operated vertically. Otherwise the function may be impaired.



6.8 FINISH SET UP

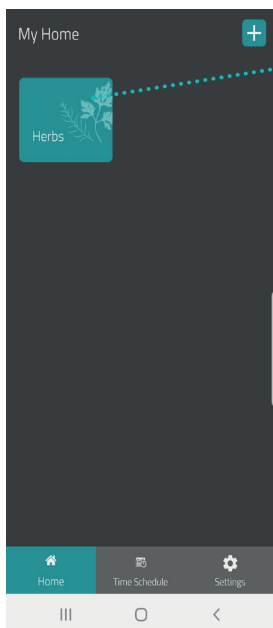
Comet Aqua



1. After you have mounted your Comet Aqua on the faucet and die, give your Comet Aqua a name.

2. Choose an icon button for your device.

3. Press the "Save" button after you have specified a name and an icon.



The app will automatically return to the home screen. By pressing the corresponding icon, you start the view for controlling the device.

NOTICE:

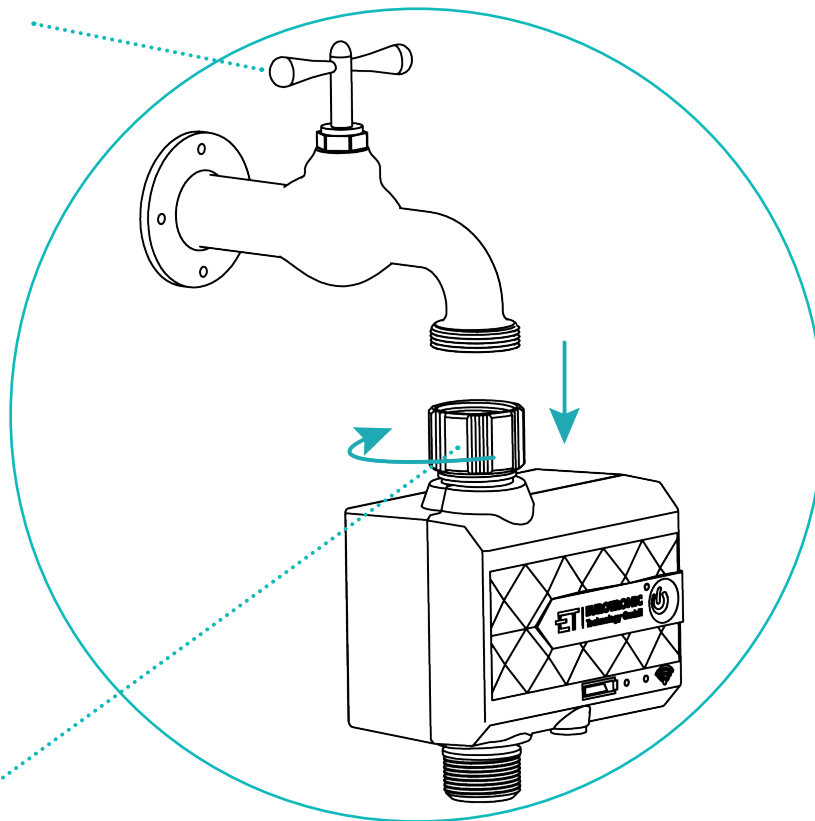
If there are problems with the storage, switch to the WiFi settings on your smartphone and reconnect to your home WiFi network. The problem may be that your smartphone has not automatically disconnected from the Comet Aqua. If you then return to the WiFi Smart Garden app, the storage can be completed without any problems.

7. DISASSEMBLY

Comet Aqua

Please close the water tap, before you unscrew the device!

1. Close the tap!

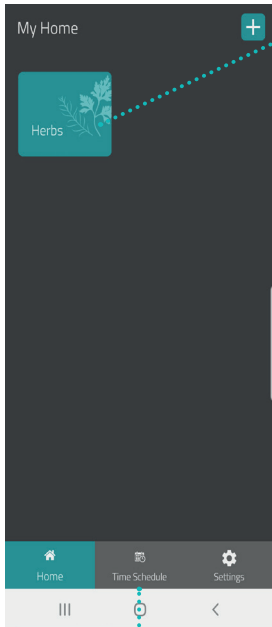


2. Unscrew the union nut completely until the device detaches itself from the water tap.

8. COMET AQUA APP

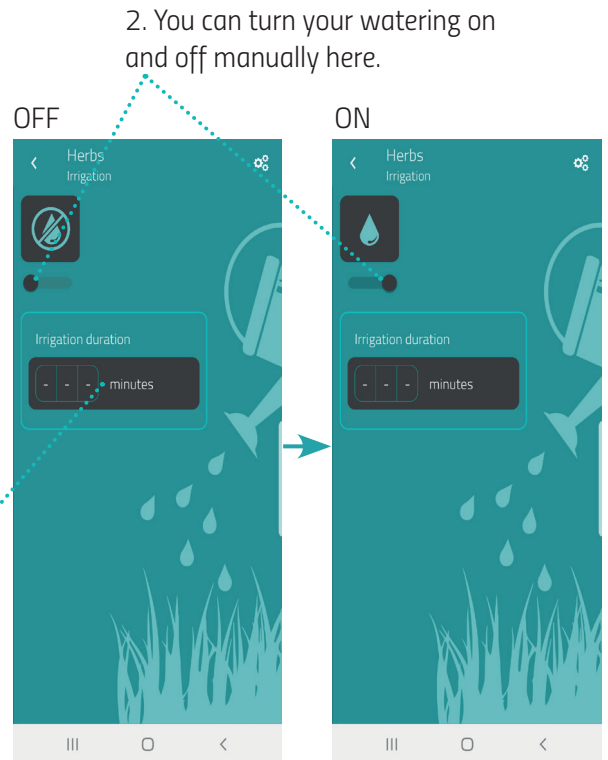
Comet Aqua

8.1 MANUEL IRRIGATION



1. You can access manual control by selecting your device.

In the menu bar you can switch between the menu items: Home, Schedules, and Settings.



2. You can turn your watering on and off manually here.

3. Press on the "Watering Duration" field, to set a watering time. After the time has elapsed, the water turns off automatically.

Set a time and press "Confirm".



3. The remaining watering time is displayed to you as soon as you leave the central menu item "My home", switch back to the device that is currently in a set irrigation.

NOTICE:

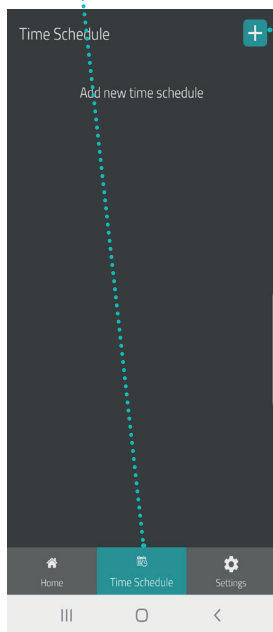
The maximum irrigation time is limited to 120 minutes.

8.2 IRRIGATION SCHEDULES

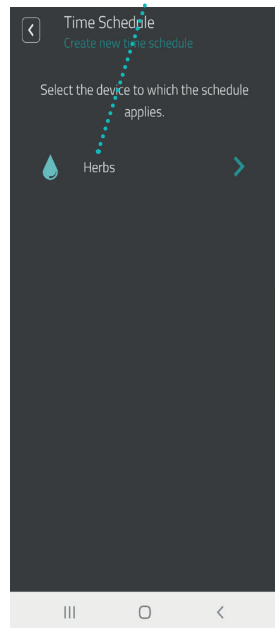
Comet Aqua

You can create schedules to water your plants automatically. At the times you specify, the Comet Aqua will automatically start watering. The start time and the duration of the watering can be set.

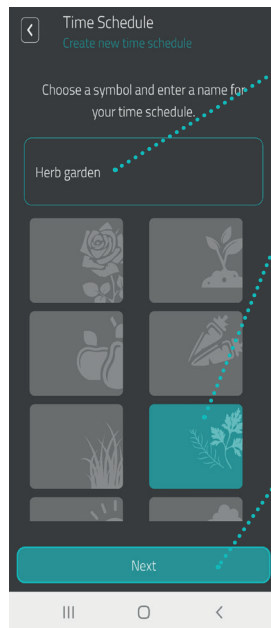
1. Select the "Time Schedules" menu item in the footer of your Smart Garden app



2. Press "+" to create a new schedule

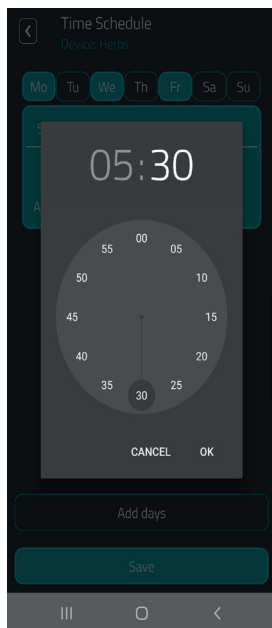


3. Choose the device, you want to set up. If you have more than one, you see all your devices listed

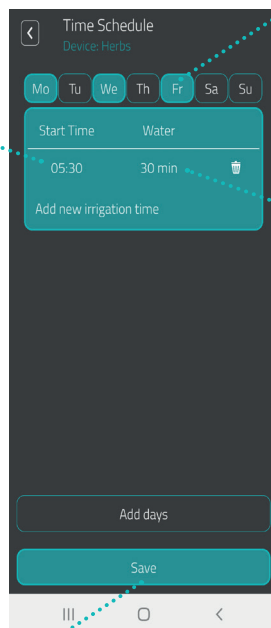


4. Give the schedule a name and select a schedule icon. Then press "Next"

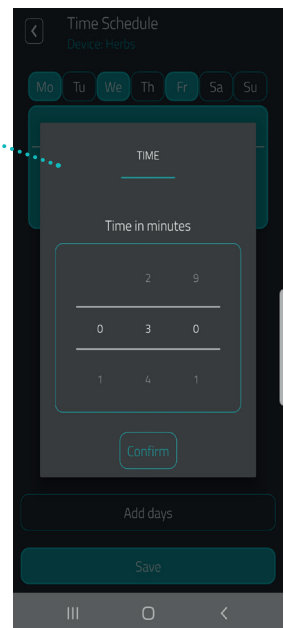
6. Start time of irrigation



5. Select one or more days of the week and then set the watering time and duration.



7. Duration of irrigation

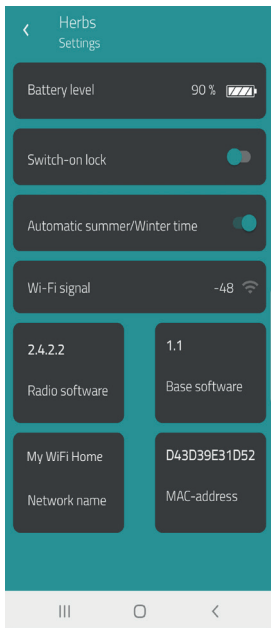


8. Then press "Save" to save the entry.

With "Add days" you can add more watering times.

8.3 SETTINGS

Comet Aqua



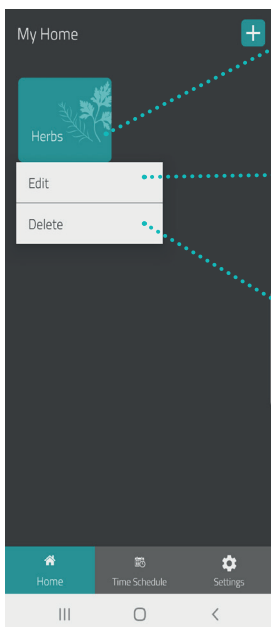
If you switch on the button lock, blocks manual switch-on on the Comet Aqua. However, it is still possible to switch off the device manually.

If you switch on "Automatic summer/winter time", the time change will be made automatically.

This page of the app also gives you information about:

1. Battery level
2. Strength of your WiFi signal at device location
3. Device software versions
4. Name of the WiFi network to which your device is connected.
5. Information about your MAC address (this information may be useful if you ever contact our technical support service).

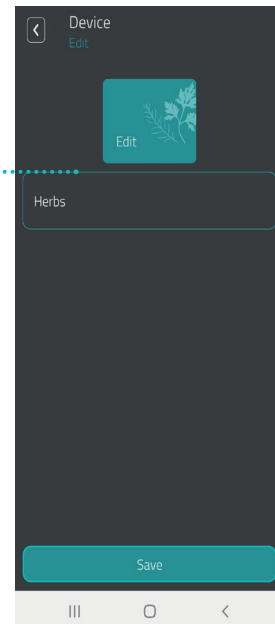
8.4 DELETE A DEVICE



1. With a long press on the device icon, the options "Edit" and "Delete" open.

2. Select "Edit", you will get the following view, where you can change the device name and/or the device icon.

3. If you select "Delete", the device and the saved device settings (schedules) will be removed from the app. The device automatically switches to pairing mode and can be integrated into a WiFi network again.

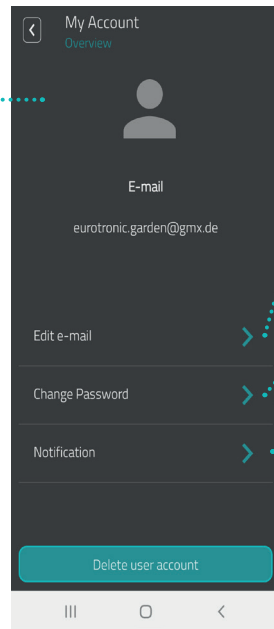
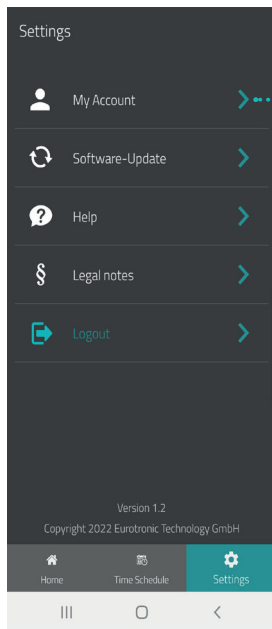


NOTICE:

If you reset a device by pressing a button (power button) for 10 seconds, the icon of the device in the app is not automatically deleted. Remove the symbol as described under point 8.4 / 3.

8.5 MY ACCOUNT

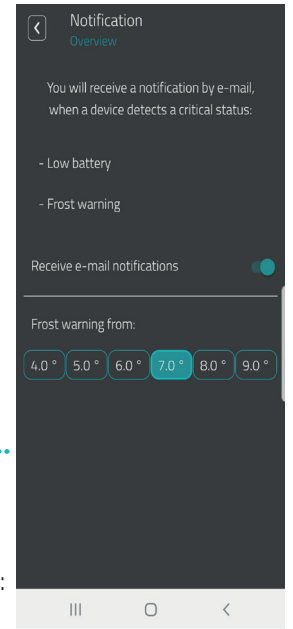
Comet Aqua



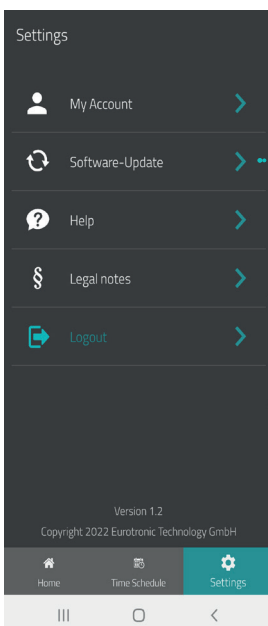
1. Here you can change the email address associated with your account

2. Here you can change the password associated with your account

3. Here you can choose whether you want to receive table notifications by email. The notifications inform you: about:
1. When the battery charge is critical
2. When frost is imminent, choose by yourself the limit when you want to get warned.



8.6 SOFTWAREUPDATE



Under this menu item you can find out whether an update for the basic software is available. If so, you can activate the update here.

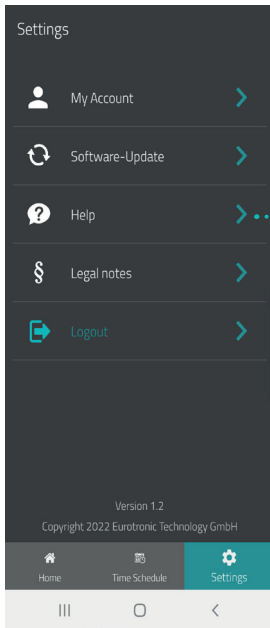
Click the "Start Update" button to start software update.

NOTICE:

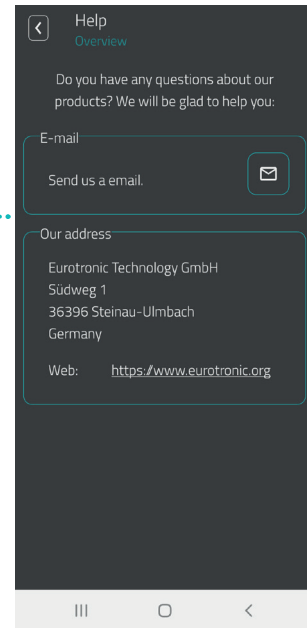
Leave your smartphone with opened "Smart Garden App" during the software update. Do not activate the key lock of your smartphone.

8.7 HELP

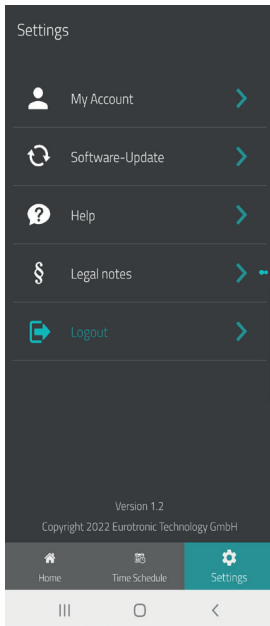
Comet Aqua



If you need support or have another concern, you can reach us here.



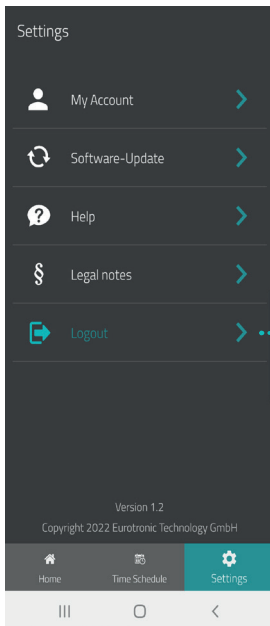
8.8 LEGAL INFORMATION



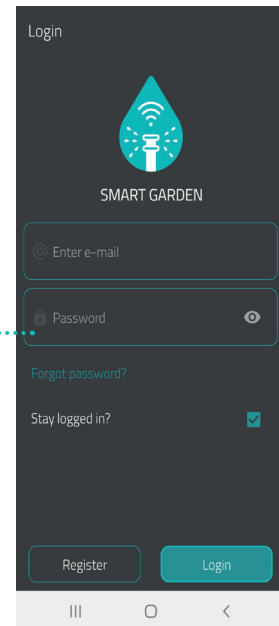
By selecting "Legal notes", you will be directed to our General Terms and Conditions (GTCs) and other legally required proof of information on our website.

8.9 LOGOUT

Comet Aqua



By selecting "Logout", you will be logged out and automatically taken to the app's start page, where you can log in again.



9. MAIN FUNCTIONS

Comet Aqua

ACTIVATED TIME PROFILE::

If you activate a watering profile/schedule in the app, the Comet Aqua will water according to the set schedule. You can still intervene in the watering and make changes at any time (via the app or directly on the device). The current action of the set schedule is thus interrupted. The other set actions of the schedule, at a later point in time, are then carried out again as programmed.

If you turn on the water tap to which the device is connected, the device will still open/close the valve at the set switching times. The device also works when there is no water flow.

FURTHER FUNCTIONS

FROST WARNING:

You will receive a warning message from near-frost temperatures of less than 5°C - 9°C. To do this, you must activate the function in the app under the heading "Notification".

SWITCH ON LOCK:

To protect your device from being used unintentionally, you can set a switch-on lock on the Comet Aqua. You can activate/deactivate the key lock in the app under the menu item "Settings".

However, the device can be switched off manually at any time using the power button.

MANUEL CONTROL:

The device can be switched on and off manually at any time, using the power button on the Comet Aqua.

PAIRING MODUS AND FACTORY RESET:

To activate the pairing mode, press the power button on your Comet Aqua for around 15 seconds.

Meanwhile, the LEDs beside the power button and on the battery symbol lights up green.

The LED beside the WiFi icon flashes red during this time. As soon as this LED flashes green, the device is back in pairing mode.

10. ERRORS AND MESSAGES HELP

Comet Aqua

Problem	Reason	Solution
The app does not show a WiFi network under "My WiFi network".		<ul style="list-style-type: none"> - Check whether your WiFi network operates on 2.4 GHz, as Comet Aqua can only be integrated into a 2.4 GHz WiFi network. This can be viewed in the settings of your WiFi router and changed if necessary. - Activate the location permission of your smartphone. - Allow location access for Eurotronic Smart Garden App. In the "Apps" area in your smartphone settings, you can grant the "Smart Garden" app location access again while using the app.
Error C1 - LED on WiFi symbol flashes red	<ol style="list-style-type: none"> 1.) WiFi password was not entered correctly in the app. 2.) WiFi signal strength is too low. 	<ol style="list-style-type: none"> 1.) Delete your Comet Aqua from the app and restart the pairing mode. 2.) Take appropriate measures to improve the WiFi signal strength of your home network.
Error C2 - LED on the WiFi symbol continuously flashes red twice	<ol style="list-style-type: none"> 1.) WiFi password has been changed. 2.) Demolition of the existing radio connection. 3.) The WiFi connection that was set up was temporarily interrupted (e.g. power failure, network cable) 	<ol style="list-style-type: none"> 1.) Your Comet Aqua must be reconnected to the WiFi network (by entering the new WiFi password). 2.) Take appropriate measures to improve the WiFi signal strength of your home network. 3) Check e.g. your power supply and your network cable.
Error C3 - LED on the WiFi symbol continuously flashes red 3x	WiFi connection without internet access.	Check your internet connection.
Batteries need to be changed frequently	Check your WiFi signal strength.	Take appropriate measures to improve the WiFi signal strength of your home network.

11. CLEANING AND STORAGE

RISK OF DAMAGE! Improper handling of the automatic watering device can lead to damage. Do not immerse the device in water or other liquids.

Do not use aggressive cleaning agents, brushes with metal or nylon bristles, or sharp or metallic cleaning objects such as knives, hard spatulas, and the like. These can damage the surfaces. Clean the device with a soft, dry cloth.

Turn off the device and remove the batteries if you will not be using the device for a long period of time. Store the device in a dry, dust-free place, protected from sunlight.

12. TECHNICAL SPECIFICATION

Comet Aqua

Bezeichnung	Comet Aqua
EAN	4260012712193
Article number	700212
Supply voltage	4 x 1,5V LR6/Mignon/AA
Connection thread	3/4" (26,5mm)
Method of operation	Typ 1
Dimensions	103 x 132 x 66 mm
Weight	436 g (incl. batteries)
Work pressure	0,5 bis 12 bar
Irrigation time	1 min. bis 120 min.
App controlled by	WiFi Smart Garden
Degree of protection	IP 54
Degree of pollution	2
WiFi frequency	2412 MHz ~ 2472 MHz
Maximum transmitting power	IEEE 802.11b: 18.29 dBm IEEE 802.11g: 19.30 dBm IEEE 802.11n: 18.41 dBm

We reserve the right to make technical changes at any time. Compatibility information without guarantee.

13. SUPPORT AND CONTACT

For technical support you can always contact us. We look forward to helping you with your request:

Telefon: +49 (0) 6667 91847-0
Email: support@eurotronic.org

Kundenservice: **Eurotronic Technology GmbH**
Südweg 1
36396 Steinau-Ulmbach
Germany

14. LEGAL INFORMATION

Comet Aqua

The following applies from the date of implementation of the European Directives 2012/19/EU into national law:



Electrical and electronic devices and batteries must not be disposed of with household waste. The consumer is legally obliged to return electrical and electronic devices and batteries at the end of their service life to the public collection points set up for this purpose or to the point of sale. Details are regulated by the respective state law.

Batteries and rechargeable batteries are not household waste! As a consumer, you are legally obliged to hand in all



batteries and accumulators, regardless of whether they contain harmful substances* or not, to a collection point in your community, district or retail outlet so that they can be disposed of in an environmentally friendly manner. *marked with: Cd = cadmium, Hg = mercury, Pb = lead

Dispose of packaging:



Dispose of the packaging by type. Give cardboard to the waste paper, foils to the recyclables collection. The symbols on the product, the instructions for use or the packaging refer to these regulations. By recycling, material recycling or other forms of recycling old devices/batteries, you are making an important contribution to protecting our environment.

DECLARATION OF CONFORMITY:



Eurotronic Technology GmbH hereby declares that the Comet Aqua irrigation automat complies with all applicable European Economic Area regulations of Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following internet address:

<https://eurotronic.org/service/downloads>.

Warranty information is available online: www.eurotronic.org.

15. WARRENTY

The guarantee period is 24 months and begins on the day of purchase. Keep the receipt as proof of purchase. During the warranty period, defective devices can be sent to the service address with sufficient postage. You will then get a new or repaired device back free of charge. Repairing or replacing the device does not start a new warranty period. Please note that we only guarantee the functions of the device, not the functionality between the interaction of the watering device and downstream devices such as sprinklers. The guarantee service relates to all defects in the device, which are due to manufacturing defects or material defects.

After the warranty period has expired, you also have the option of sending the defective device to the specified address with sufficient postage for repair. Any repairs required after the warranty period has expired are subject to a charge. Your statutory rights are not limited by this warranty.