Spray device bfoot Aqua with battery

User manual

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Dear Customer,

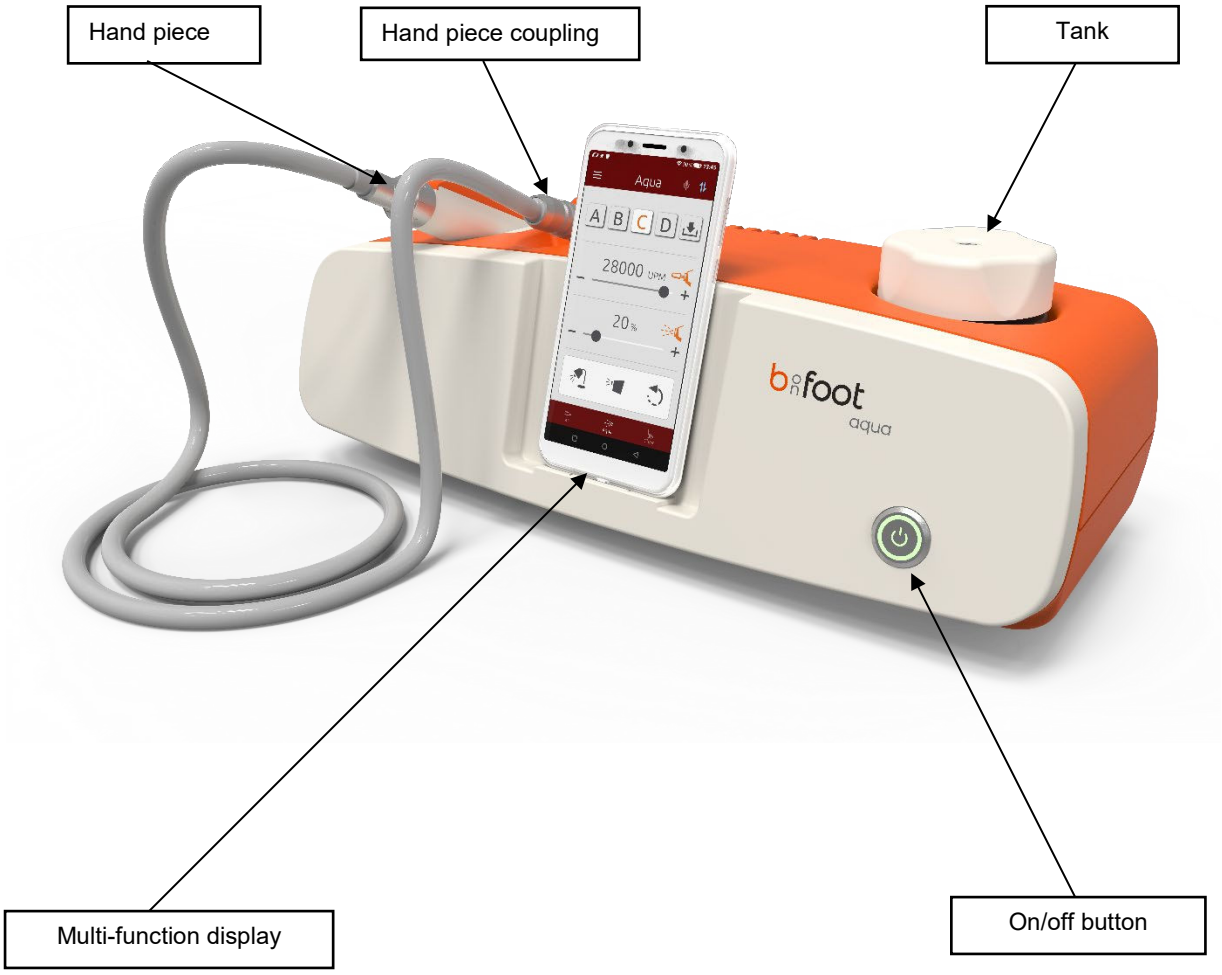
We thank you for the confidence you have placed in us by purchasing the Aqua spray device. Our devices are manufactured and tested according to strict quality standards.

Please read this manual carefully before using your product for the first time. It provides important information on safety, the correct use and maintenance of the device. This is designed to protect you and others and to prevent damage to the device. These instructions must be kept on hand at all times and made available to all users of the device.

We hope you enjoy using your Aqua spray device and wish you great success.

Yours sincerely,
Bahner Feinwerktechnik GmbH

1. Description



2. Symbols used in this manual

On the device nameplate:

	Consult instructions for use
	Indicates the product CE certified
	Waste disposal marking for electrical and electronic equipment according to § 7 ElektroG
	Type B applied part [isolated type B body part]
IPXO	No special ingress protection against moisture (IP = International Protection).

In the user manual:

	This symbol indicates special instructions that must be carefully followed to prevent injuries or damage. These instructions are intended for occupational safety.
	This symbol indicates important instructions for compliance with regulations or where there is a risk of damage to the device.
	Warning of optical radiation

3. Package contents

The following items are included as standard in the product box:

1 x Aqua spray device with connected hand piece

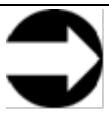
1 x Power cable

1 x Service pack

1 x User interface

1 x multifunctional operating interface TP-Link Neffos C9A smartphone, including charger and protective cover

If any of these items are missing, please contact your supplier immediately to request the missing items.

	Please keep the box in which the Aqua spray device was shipped to you, including the protective padding. In case of replacement or repair, the original packaging must be used when returning the item. Please note that Bahner Feinwerktechnik GmbH accepts no responsibility for any damage caused as a result of failure to comply with this instruction.

4. Applications

The Aqua spray device is designed for cosmetic foot care, pedicures and manicures. Attachments such as files, drills and grinding bits can be fitted onto the rotating motor hand piece. These interchangeable bits are ideal for quickly and effectively removing calluses, corns, nails, etc. They can also be used to grind, clean and polish nails. The device is designed for commercial use only.

5. Operator requirements

The Aqua spray device should only be used by a qualified chiropodist, podiatrist, cosmetician or nail designer who is familiar with the cosmetic procedure and has the necessary training.

6. Personnel and client protection

The device may only be opened by the manufacturer or by an authorised expert assigned by it. Unauthorised modifications to the device are not permitted.

The device should only be operated in a safe environment.
The device must only be used for its intended purpose.

Keep the device away from other electrical equipment.
Moisture can cause electric shock.

After each use and before commencing treatment on the next client, the interchangeable bits must be disinfected, cleaned and sterilised in accordance with the manufacturer's instructions. This prevents the potential transmission of germs to the next client.

All surfaces of the motor hand piece must also be disinfected after each use and before commencing treatment on the next client.

The operator is required to wear protective gloves, goggles and mouth and nose mask when using the device.

Only use interchangeable bits approved by the manufacturer for the maximum speed of the hand piece.

Make sure that no hair can get caught in the rotating parts (nail drills or other bits) while working with the device. If necessary, wear a hairnet.

7. Safety

Make sure your power supply matches the rated voltage indicated on the foot care device. The electrical mains must have an effective earth connection and the installation must comply with all applicable regulations.

Warning: To avoid the risk of electric shock, this device may only be connected to a mains socket outlet with a protective earthing connection.

Only use smoothly running, undamaged rotating bits. This will avoid damage to the hand piece.

Only use rustproof bits when working with the motor spray hand piece.

Always disconnect the device from the mains before beginning any maintenance.

It should be noted that the use of electrical accessories (e.g. lights), motors and cables (e.g. motor cables) other than those provided by the manufacturer, as well as the use of other electrical equipment close to the device, may result in increased emitted interference or reduced immunity to interference of the device.

Please observe any additional safety instructions outlined in the individual sections.

8. Getting started

- Place the device in a safe, suitable location.
- Now remove the tank at the top of the device and fill it (for instructions on filling see section 9.9). Then fill the spray tank and insert the full tank back in its original position.
- Plug the power cable into the power socket on the left side of the device and the other end into a mains outlet. Make sure that the power plug is easily accessible at all times.
- Switch on the device by pressing the on/off button on the front. Once the device is connected to the mains, the operating status will be audibly indicated by a brief acoustic beep.
- Your Aqua spray device is now ready for use.
- Pressing the on/off button again or unplugging the power plug shuts down the device.
- When moving the position of the device (i.e. where disconnecting the device from the mains is required), please repeat the above procedure for getting started.

8.1. Setting up the smartphone

Press and hold down the on/off button to turn on the phone. Then follow the instructions that appear on the screen to set up the phone.
.
N.B.: After setting up the phone, if it is not used within 30 minutes, the phone will automatically shut down to save battery power.

1. **Set up display screen**
   Select your language and then tap .
2. **Establish a mobile network connection**
   You will be prompted to insert your SIM cards, if available. This is not mandatory to use the smartphone.

   If you do not have or do not want to use a SIM card, tap on SKIP in the lower left corner of the screen.
3. **Connect to Wi-Fi**
   Your smartphone will automatically search for all available network connections in the immediate vicinity.

   Now select the network you want to connect to from the list.
   You will then be asked to enter the network password and to agree to the terms of use. After successfully connecting to the network, your phone will search for software updates.

   An active Wi-Fi connection is essential to be able to download apps from the Google Play Store and keep your smartphone updated.

   You can change these settings at any time by going to **Settings -> WLAN**.

   If you currently have no access to the network, you can tap SKIP at the bottom left of the screen to postpone this step until later. Then skip to step 5.
4. **Sign in to Google**
   You will now be asked to sign in to Google. To do so, please enter your email address or phone number linked to your Google account and tap Continue in the lower right corner. You will then be asked to enter your password and asked if you want to use the account. You must agree to Google's Terms of Use to access the account.

   If you do not have a Google account, you can tap Create Account to create a new Google account. Then follow the instructions on the screen.

   Alternatively, you can skip this step by tapping Skip on the bottom left. A Google account is required to download the b-on-foot app from the Google Play Store.

   Now skip to step 7.

5. **Date and time**
   Set your time zone, date and time and confirm by tapping CONTINUE.

6. **Name**
   You can now assign a name to your phone. This can personalise various apps.
   You can save this setting with or without entering a name by tapping NEXT.

7. **Protecting your phone**
   You will be prompted to enable device protection to prevent unauthorised access to your smartphone.
   You can choose whether you want to secure the phone with a pattern lock, PIN code or password.

   If you prefer not to enable the device protection, you can tap NO THANKS and then NEXT.

   Once you have selected your preferred device protection, please follow the instructions on the screen.

8. **Capturing fingerprint data**
   You will now be asked if you would like to use your fingerprint to unlock the phone. If so, tap NEXT and follow the instructions on the screen.

   Alternatively, you can skip this setting by tapping NO THANKS and then NEXT.

9. **Capturing facial data**
   You will now be asked if you would like to use your facial data to unlock the phone. If so, tap NEXT and follow the instructions on the screen.

   Alternatively, you can skip this setting by tapping NO THANKS and then NEXT.

10. **Google Assistant**
    If you chose not sign up in step 4 (**sign in to Google**), please skip to step 11.

    You will be asked if you would like to use Google services. You can reject this by tapping NO THANKS in the lower left corner. If you want to use the services, tap on ACTIVATE.

11. **Google services**
    You will also be asked on the following screens to select from various settings. For this, you will have to scroll down to the bottom and decide whether you would like to enable or disable the respective services. At the end, you will be asked to confirm your settings by tapping ACTIVATE.

12. **Terms and Conditions**
    Please read the terms and conditions carefully and then tap
    "I have read the above terms and conditions carefully and hereby accept them". Then tap NEXT.

13. **NFUI Customer Satisfaction Programme**
    You will then be asked if you would like to participate in the NFUI Customer Satisfaction Programme.
    Further information can be found on the screen.
    You can reject the programme by tapping NO THANKS or join the programme by tapping PARTICIPATE.

14. **Setup completed**
    You have now successfully completed the setup. All settings can be subsequently changed by going to Settings.
    Now tap START USING YOUR PHONE to complete the setup.

8.2. Google Play Store

Use the Google Play Store to download apps to your phone. The applications found in the Google Play Store can either be free or paid.

8.2.1. Add a new Google Play Store account

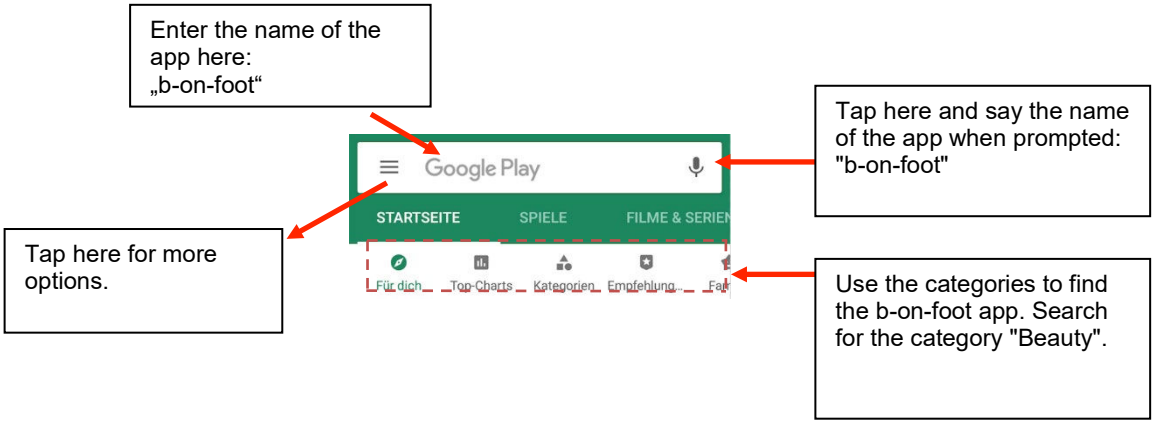
You will require a Google Play account to download applications from the Google Play Store. When you sign in with an existing account to the Google Play Store, the information associated with that account is automatically synced to your phone.

If you are using the Google Play Store for the first time and have not signed in to your Google account during the initial setup, you will be presented with a login screen. You can now log in with an existing Google account. To do this, enter your email address or telephone number and password.

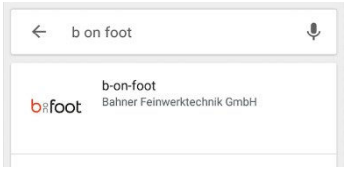
If you do not have a Google account, please tap Create Account to create a new account. Then follow the instructions on the screen to set up the new account.

8.2.2. Download and install applications

1. There are 2 different ways to find the b-on-foot app:
   a. Use the search bar or voice search to manually search the application. To do this, simply enter the name of the app you are looking for: "b-on-foot".
   b. Swipe left to find the category of app you require, then tap the category. The b-on-foot app is in the category "Beauty".



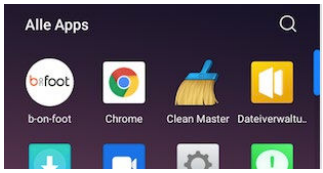
2. The app is shown as follows in the search results:



Now tap on the app and select INSTALL.

3. During downloading, you can always swipe down the status list to see the progress of the download. When the download is completed, the app will be automatically installed on your phone.

4. Now view all installed apps by dragging the bottom icon bar on your start screen upwards. Tap on the b-on-foot app icon to start the application. Then follow the app's instructions to set your phone's privacy settings. Once this is done, you can use the app as often as you like.

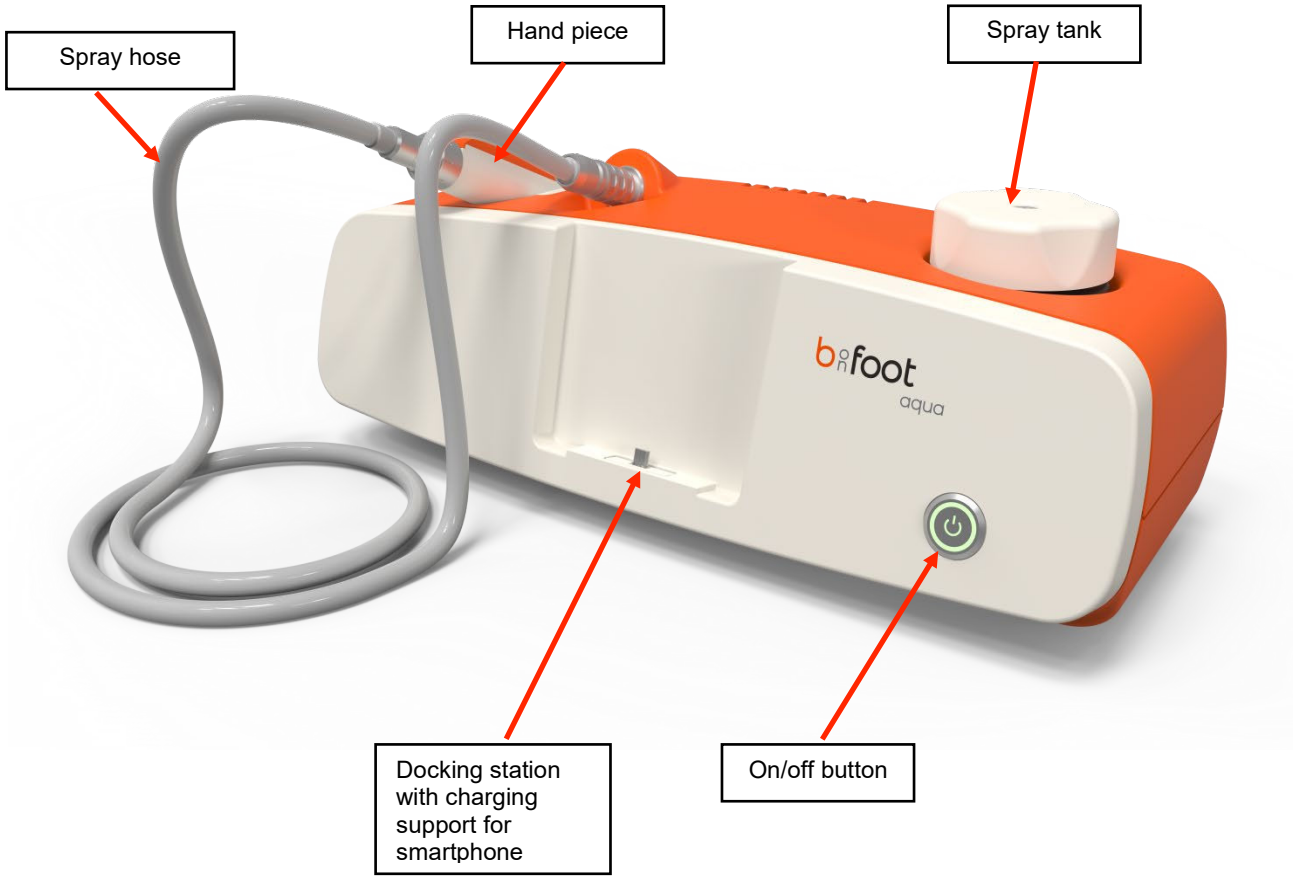


9. Operating features of the Aqua spray device

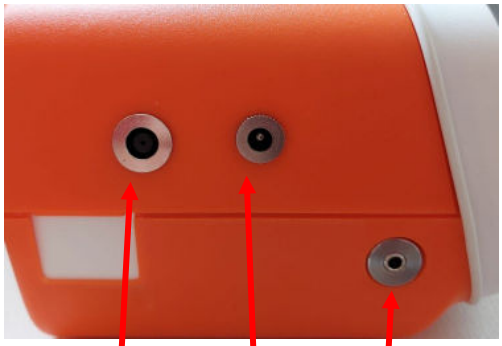
Since the Aqua spray device can only be operated via the b-on-foot app on the smartphone, the front panel of the device only features an on/off button and a docking station for the smartphone.

Note on battery conservation. The charging socket is only for trickle charging. Please fully charge the smartphone at least once a week via the included external charger. In case of higher usage intensity, the smartphone should be fully charged accordingly several times per week.

All the features available on the Aqua spray device can be adjusted via the app. The app indicates the operating status of the core functions: an orange icon indicates a function is active; a grey symbol indicates an inactive status.



Connectors



Powerbank optional

Charger

LED - additional light optional

Charging the battery

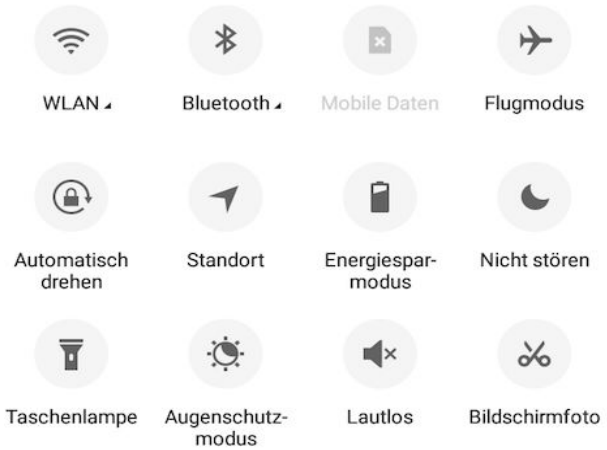
The power button flashes in the off position during charging. When the battery is fully charged, the power button remains dark.
One battery charge is sufficient for approx. 30 applications of 10 min. each.
The charging time when the battery is fully discharged is approx. 6 hours.
With 20% remaining battery capacity, you can continue to operate the device with the charger connected. A message bar appears and a warning tone sounds.
If the battery is completely empty, it must be charged for at least 1 hour and then the device can be operated with the charger connected.

9.1. Basic smartphone settings

Before using your Aqua spray device, the device must be first registered in the app. This requires activating the following two basic settings in the smartphone:

- Bluetooth
- Location

To activate, swipe down from the top of the screen until you see the following screen:

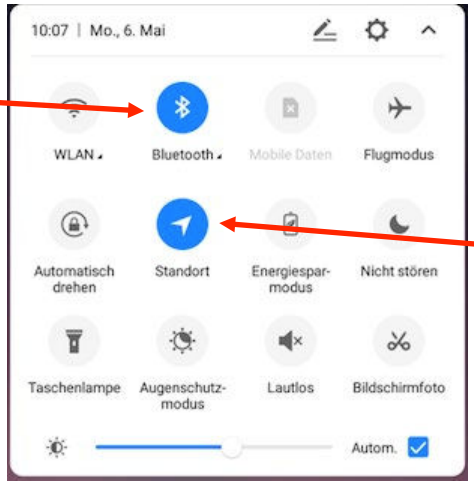


Wi-Fi	Bluetooth	Mobile data	Flight mode
Auto-rotate	Location	Power saver	Do not disturb

Torch Night mode Mute Screenshot

Then tap the Bluetooth and Location icons to enable these features. The icons turn blue when tapped to indicate active status.

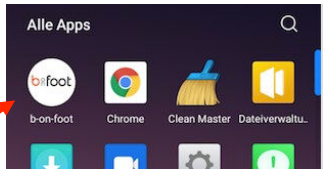
Bluetooth enabled



Location enabled

9.2. Launching the b-on-foot app

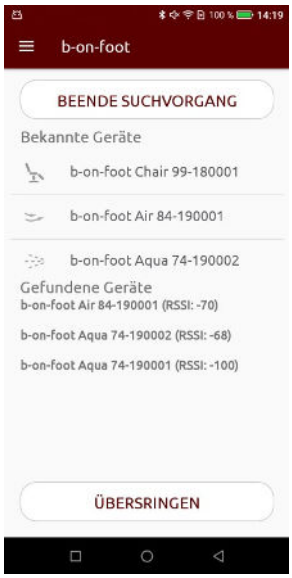
To launch the b-on-foot app, drag the bottom icon bar up. All apps available on your smartphone will now be displayed.



Then briefly tap the b-on-foot icon to get started.

9.3. Device search in the app

After launching the b-on-foot app, the start screen will display a list of known devices and detected devices.



If an error message is displayed on the screen during the search, please check the basic smartphone settings outlined in section 9.1.

Buttons explained:

Starts the search:
This button launches the search for the b-on-foot AQUA, AIR and CHAIR. Only devices belonging to the b-on-foot brand and that are within reach will be displayed. The devices found are displayed in the lower part of the screen. Tapping on the device required will create a wireless connection to it.

Ends the search:
This button halts the current search. The display with the devices found will be cleared.

Skips the search:
Use this button to skip the search for available devices and move on to the Demo Mode. In this mode you can test all the functions of the app without requiring an active wireless connection to your foot care device.

Open navigation:
This button opens the navigation for the search. In the navigation bar you will find contact details, information about the app, the Privacy Policy and the various instructions for the app.

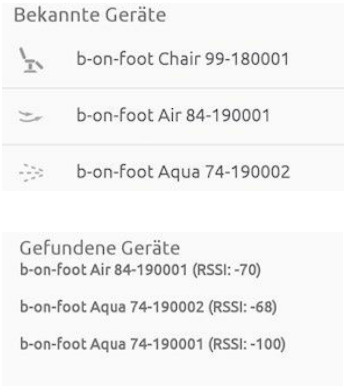
Icons explained:

Air icon:
This icon indicates a b-on-foot AIR pedicure device. The device name that follows consists of the brand name, the type and the serial number.

Spray icon:
This icon indicates a b-on-foot AQUA pedicure device. The device name that follows consists of the brand name, the type and the serial number.

Chair icon:
This icon indicates a b-on-foot CHAIR device. The device name that follows consists of the brand name, the type and the serial number.

Devices detected sections explained:



Known devices:
This section displays all devices that have activated a wireless connection at least once. In order to clearly identify these devices, they are indicated by the relevant icon followed the brand name, the type and the serial number. The listing for such devices is not limited to a maximum number. You can scroll down this section.

Devices found:
This section displays all devices found during the search. The device name consists of the brand name, the type and the serial number. The RSSI number that follows the device name indicates the strength of the wireless connection to the device. The best connection strength is between -60 to -80. Values of less than -100 indicate the smartphone is too far away from the device to ensure a secure connection.

Battery icon:
This icon shows the charge level of your b-on-foot AIR BATTERY. If the b-on-foot POWERBANK is connected, its charge status is also displayed. The charge level is displayed by means of 4 bars (4 bars = full charge, 1 bar = low charge). For more information on the state of charge, see point 9 - Charging the battery.

9.4. Operating the hand piece

The hand piece is operated using a total of 7 buttons and a slider in the app, which allow the b-on-foot AQUA to be adjusted to the specific foot care requirements of each client. The current speed (RPM) is displayed in the 5-digit speed range in the upper half of the screen.

Buttons explained:

Hand piece motor OFF:
When this button is grey, it indicates the hand piece motor is switched off. In spray mode, the spray is switched off automatically in the ***hand piece motor off*** status. It turns on again, as soon as the hand piece motor is switched on.

An orange button indicates that the hand piece motor is turned on. The hand piece motor can only be switched on using the button on the hand piece itself.

Nail drill light ON/OFF
The LED lighting for the nail drill works both when the hand piece motor is running and deactivated. It is operated solely via the ON/OFF button in the app.

When orange, this button indicates that the LED lighting is activated.

	Do not look directly into the beam of the LED lighting! Danger of retinal burns!

Hand piece motor - speed —
This button reduces the speed of the hand piece motor. The lowest speed setting is 3,000 rpm. The speed can be reduced in increments of 1,000 rpm.

Hand piece motor - speed +
This button increases the speed of the hand piece motor. The highest speed setting is 42,000 rpm. The speed can be increased in increments of 1,000 rpm.

Hand piece motor - speed slider
This slider allows you to set your desired speed. It ranges from the minimum speed of 3,000 rpm up to the maximum speed of 42,000 rpm. This is done in increments of 1,000 rpm.

	Please always observe the maximum speed specified by the manufacturer of the nail drill bit you are currently using. Do not exceed this speed under any circumstances! You could endanger yourself and your client.

Changing direction of rotation
Pressing this button changes the direction of rotation of the hand piece motor. Anti-clockwise becomes clockwise and vice versa

When orange, this button indicates that the hand piece motor is active.

Memory buttons A to D
These buttons enable you to call up previously saved motor speed and spray volume settings.

When orange, this button indicates that the stored speed and spray volume settings have been activated. The values set will appear in the respective speed and spray volume fields on the screen.

Save button
This button allows the memory buttons A, B, C and D to be assigned any speed and spray volume.

To set a speed and spray volume which can be called up at a later time, please proceed as follows:

- Use the buttons or the slider to set the desired speed and spray volume.

- Then press the save button. The memory buttons A, B, C and D and the save button will turn orange and the smartphone will vibrate to indicate that the device is ready to store.

- Now press the save button to which you want to assign the settings entered. The save button as well as the memory buttons A, B, C and D will then turn grey again, indicating the saving process is completed.
  Pressing the save button again will cancel the saving process. Confirmation that the storage process was aborted will be indicated by the save button as well as the memory buttons A, B, C and D becoming grey again.

9.5. Operating the spray

There are three memory buttons and a slider for controlling the spray function. This allows the spray volume to be adjusted to the specific foot care requirements of each client. The spray volume used at any time is displayed in the lower half of the scre

Buttons explained:

Spray ON/OFF
This button allows you to switch the spray function on or off when the hand piece motor is enabled.

When orange, this button indicates that the spray device is activated.

Spray —
This button reduces the amount of spray. The reduction of spray occurs in increments of 10%.

Spray +
This button increases the amount of spray. The increase of spray occurs in increments of 10%.

Spray - slider
This slider allows you to set the desired spray volume. It can range from the minimum of 10% up to a maximum of 100%. This is done in increments of 10%.

Blowup function

This is intended for blowing out dust when the spray is set to 0%. In this case, the compressor continues to run and the pump does not. The cutter must be removed for this function.

9.6. Wireless connection

The b-on-foot AQUA foot care device communicates with the TP-Link Neffos C9A smartphone via a wireless connection.

This technology allows you to remove the smartphone from the designated docking station on the device and take it wherever it makes your work easier.

You also have the option of using the smartphone to operate different b-on-foot AQUAs. The smartphone supplied is not assigned exclusively to the foot care device with which it is delivered.

Buttons explained:

Wireless connection ENABLED/DISABLED
This button will take you back to device search.
When blue, this button indicates that there is an active wireless connection to the device.

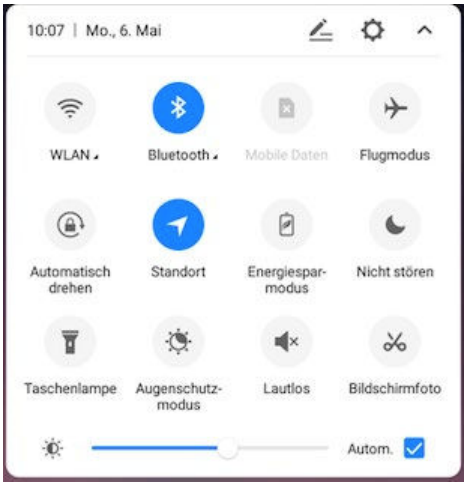
When red, this button indicates that a connection could not be established because that b-on-foot AQUA is out of range. However, it can also mean that you are in Demo Mode.

9.7. Music playback

Every b-on-foot AQUA comes with built-in speaker. This speaker can be used to play soothing music during the treatment.

It is not possible to play music through the b-on-foot device app. For this you need a separate music app, which you can download from the Google Play Store.

To connect to this module, swipe down with one finger from the top of the screen until you see the following screen:



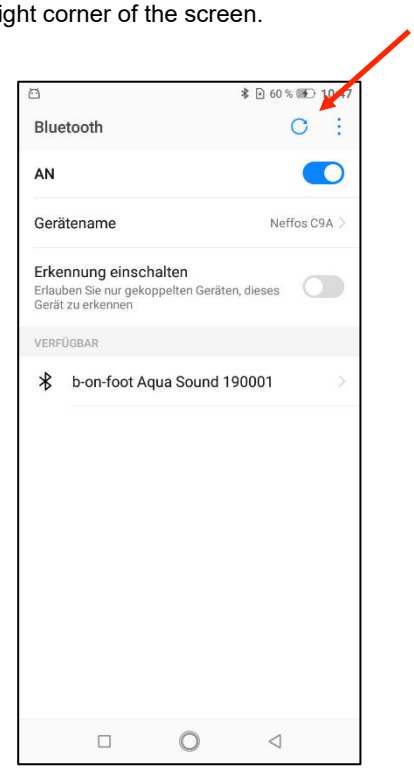
Touch and hold the Bluetooth icon to enter the Bluetooth settings.

Alternatively, you can access the Bluetooth settings by going to **Settings -> Bluetooth**.

If disabled, tap the button to enable Bluetooth on your smartphone.

Your phone automatically searches for all available devices and lists them along with the known devices. To connect to the music module of your b-on-foot AQUA, tap the available device named "b-on-foot Aqua Sound" followed by the serial number of the desired device. If the smartphone has previously been connected to the music module of your b-on-foot Aqua foot care device, the smartphone will automatically connect to the last connected device as soon as the smartphone’s Bluetooth has been activated or when the music module of the foot care device is linked

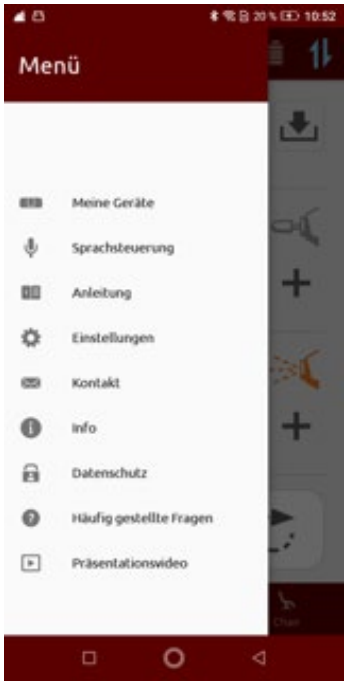
If your device does not appear in the list of available devices, check whether your b-on-foot AQUA is turned on and within range of the smartphone. If necessary, you can also conduct a new search for available devices by tapping the Refresh button in the upper right corner of the screen.



For further information and instructions, please refer to the user manual for the smartphone.

9.8. Other app features

Other features of the app are outlined in the following sections. These functions can be found in the app's menu.



9.8.1. My devices

The menu item My Devices lists all devices that have been previously connected to the app at least once. It is not possible to change to listed devices in this menu item.

If you want to remove a device from the list, tap on the desired item in the list and confirm you would like to remove the entry by clicking OK. The selected device will then be deleted from the app.

If you have removed the wrong device from the list, you will need to conduct a new search to find and reconnect that device.

9.8.2. Tutorials

Under the menu item Tutorials you will find a list of instructions for different languages. They include a quick guide and a detailed guide for each language. The tutorials are provided in the languages that the app support.

The following languages are currently supported:

- German
- English
- Russian

No separate app is required to open the quick guide. It will open in the app. You can leave the screen of the respective instructions via the back arrow in the lower right corner of the app or via the back arrow in the upper left corner. You can also download and print the instructions for use at www.b-on-foot.de.

9.8.3. Light settings

This menu item allows you to change the brightness of the hand piece lights as desired. After changing the settings, these values are stored and used in the app from this point on.

9.8.4. Contact

This menu item displays the contact details of Bahner Feinwerktechnik GmbH.

You can also call the manufacturer directly by clicking on the phone number. This requires an activated SIM card in the smartphone.

By accessing the menu item Contact Form you will be forwarded directly to the contact form of our website https://www.b-on-foot.de. An internet connection is required to contact us via the contact form.

9.8.5. Info

In the Info section you will find all information about the b-on-foot AQUA foot care device and the installed app.

In the event you require technical support, please note all the details regarding your foot care device and pass this information on the customer service staff at Bahner Feinwerktechnik GmbH. Information such as the app version, hardware version, software version and serial number will help us process your enquiry faster, better and more effectively.

9.8.6. Data protection

Under this menu item you can view Bahner Feinwerktechnik GmbH’s Privacy Policy.

You will need an active internet connection to view the Privacy Policy. The latest version of the Privacy Policy is available under the link https://www.b-on-foot.de/datenschutzerklaerung/.

9.8.7. FAQ

This menu item allows you to view frequently asked questions. These serve as a first point of contact for questions or problems.

9.8.8. Presentation videos

This menu item allows you to view the presentation video of the b-on-foot brand.

The prerequisite for this is an active internet connection. The presentation video will be opened and played in a Youtube player in the b-on-foot app. You can get back via the back button at the bottom right of the app.

9.9. Filling the spray tank

The Aqua spray device has a spray tank with a volume of about 225 ml. This amount is sufficient for up to three working days without a refill, depending on the spray setting used.

Please use only distilled water as the spray liquid. Other products may affect and destroy channels and valves due to their chemical character and concentration.

- The use of normal tap water is specifically discouraged due to its lime content. They may result in premature calcification and clogging of the sensitive spray nozzles.
- It is also not recommended to use condensation water from condensing dryers because of the textile fluff it contains.

	Any use of normal tap water or condensed water from condensation dryers will void the warranty for the water-bearing system and parts.

	Please note that the device must not be exposed to high temperatures (e.g. when transporting the unit in the car). The use of spray solutions that contain alcohol may result in evaporation of the alcohol. This can lead to a deterioration of the spray solution as well as deformation of the tank.

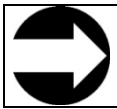
	Please note that the device must not be exposed to temperatures lower than 0° C (e.g. when transporting the unit in the car). When using non-alcoholic spray solutions, please bear in mind that the liquid may freeze. In such cases, this can damage the tank, the pump, the water hoses and the hand piece.

Inserting the tank
The tank features a self-locking valve. When inserting the tank, you will feel a slight resistance from the valve shortly before reaching the end position. Push the tank over this resistance to its final position until the valve clicks into place.

9.10. Change the rotating bits

The spray hand piece features a tool for spraying the treatment area. This spray mist binds the skin and nail dust that accumulates during grinding as much as possible.

Rotating bits must only be replaced when the motor is switched off.
Insert the shaft of the desired bit into the head of the hand piece as far as it will go.
The shaft of the inserted bit is automatically clamped when the motor is switched on.

	**Only use nail drill bits with a shaft diameter of 2.35 mm (+0 to - 0.016 mm) (HP shaft).**

10. Maintenance and disinfection

Below you can find details of the various maintenance and disinfection measures to be carried out at regular intervals.
Proof of such sanitary activities may be required by the relevant inspection authorities (e.g. health and safety inspectors).

Tip: Create a schedule for maintenance and disinfection. Enter these dates in your studio calendar or keep a maintenance record in which the dates are listed and the completion of the relevant health and safety checks are confirmed by you.

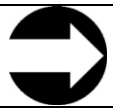
10.1. Cleaning and disinfection

The best way to clean the plastic housing, the front panel of the device and the motor hand piece including the hose is with a damp cloth with anti-bacterial properties (e.g. Microbac Tissues).

For disinfection, please use a surface disinfectant such as Microbac Forte or Bacillol AF. Moisten a cloth with disinfectant and use it to wipe down the device, the smartphone and the hand piece, including the hose.

Never spray disinfectants directly onto the device or any of its parts!

The use of disinfectants may cause slight fading or matting of the surfaces. This will not affect the functioning or safety of the device.

	**Always avoid aggressive solvents as well as acids and alkalis**.

Recommended frequency for disinfection:

After every treatment

- Wipe the hand piece, hose and smartphone of the device or all parts that were touched during treatment with a disposable disinfectant tissue.

Daily disinfection

- In case of visibly contaminated surfaces (blood, pus, secretions, etc.), the surfaces must be disinfected immediately after the patient has been treated and the respective exposure time of the disinfectant must be adhered to.

Weekly routine disinfection

- Drain and clean the tank and the parts that conduct water.
- Wipe down all surfaces, including all objects, devices, buttons, levers and switches in the treatment room with disinfectant.
- In particular, wipe down hands contact points for staff and the clients on nearby surfaces.

	This disinfection procedure may only be carried out when the device is unplugged from the mains. **The safety rules when handling alcohol-containing disinfectants must be observed to avoid fire and explosion hazards!** **When disinfecting, you must not exceed 50 ml of disinfectant per m² of treated surface or a total of 100 ml per m² of room surface area.** **Ensure adequate ventilation and eliminate any possible ignition sources (no smoking)!** **Hot surfaces, including inside appliances (fan heaters), must be cooled down.**

General

The cleaning of the rotating bits used must be carried out in accordance with the applicable RKI (Robert Koch Institute) guidelines, the general hygiene plan for foot care devices and the manufacturer's specifications

You can find the respective instructions under following links.

N.B.: Regulations may vary from state to state.

ROBERT KOCH INSTITUT http://www.rki.de/DE/Home/homepage_node.html

podo deutschland ZFD http://www.zfd.de/

Meisinger https://www.meisinger.de/index.php/Home.html

LUKAS http://www.lukas-erzett.com/

premier http://www.premusa.com/home/default.asp

MDT http://www.mdtdental.com/htmls/home.aspx

10.2. Maintenance of the tank and spray unit

Standstill periods
Before closing for a longer break, e.g. on weekends, you should rinse out the water-bearing parts of the device.

To do this, spray the tank empty and then wipe it clean. This prevents unwanted deposits in the tank, tank lid, hose system and nozzle. Such deposits can result in the membrane in the lid being no longer permeable to air, causing the tank to collapse inwards when emptying. Now fill the system again with new distilled water until spray mist emerges from the handpiece.

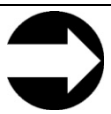
	The system must not be empty and therefore dry, otherwise the pump can be damaged.

Returning from a break
After a long break during which the device has not been used, you should first rinse out the water-bearing parts of the device.

Tip: Establish a fixed cleaning routine once a week, at which time you rinse out the tank and the spray attachments completely!

If deposits have formed in the nozzle, you can remove them with the nozzle cleaning needle enclosed in the service pack. After cleaning the deposits from nozzle, it is recommended that you rinse out the spray system as described above.

10.3. Maintenance of the motor hand piece

	The motor itself is maintenance-free and should only be wiped down with a slightly damp cloth. Never use oil or oil-based sprays to lubricate the motor hand piece.

	This cleaning procedure may only be carried out when the device is unplugged from the mains.

Warning! Do not operate the motor hand piece with the spray function switched on without the nail drill bit inserted. Spray liquid could run into the automatic clamping device, which in turn can lead to functional impairment.

10.4. Protection and checks for the automatic clamping device

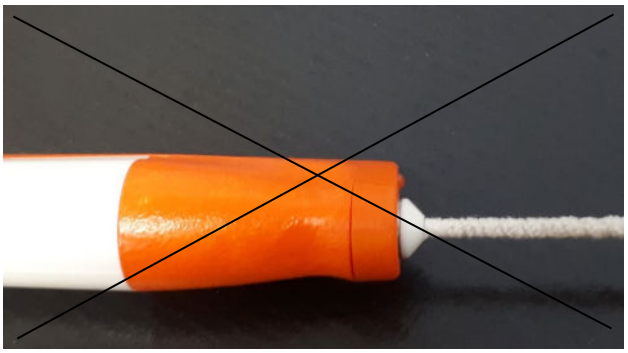
	If the hand piece is not working properly, check to make sure that it is not clogged with dirt! **Functional impairment due to dirt is not covered under the warranty.**

10.7 Cleaning the hand piece grip

⚠	**This cleaning procedure may only be carried out when the device is unplugged from the mains.**

Missing or worn drip caps can allow dust and dirt to enter the hand piece handle.
In case of insufficient cleaning, the functionality of the automatic tensioning device can be permanently damaged and this can lead to failure. To avoid danger and unnecessary repair costs, a cleaning of the handle should be done weekly!

➔	Set up a fixed appointment for cleaning your handpiece. This costs only a little time, but gives you and your clients peace of mind and protects this important component from damage. If it becomes apparent after a certain period of use that rather little dirt accumulates, the cleaning interval can also be extended.



Never try to clean the hand piece from the front with a pipe cleaner!

Likewise, do not try to lubricate the hand piece with oil or grease!

This may lead to damage and expensive repairs.

Drip off dust cap

Check the function of the dust protection cap once a week. This is important to prevent dirt from getting into the handpiece and damaging the inner workings. To do this, remove the dust cap and place it on a milling shaft. If the dust cap does not move despite rapid vertical movements, it is still functional.

The following steps illustrate how to clean the hand piece:

Step 1:

Unscrew union nut between hose and hand piece.

Step 2:

Push the spray channel forward and then up Disconnect the drip cap, then push the spray channel forward and then upwards

Step 3:

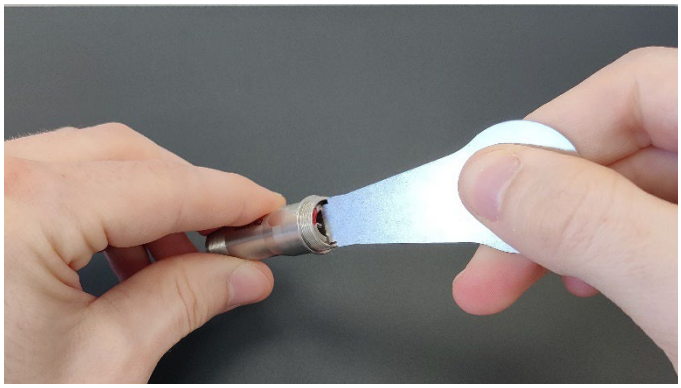
Remove the union nut at inner core of the hand piece

Step 4:

Pull off handle

Step 5:

Unscrew the handpiece tip from the motor.

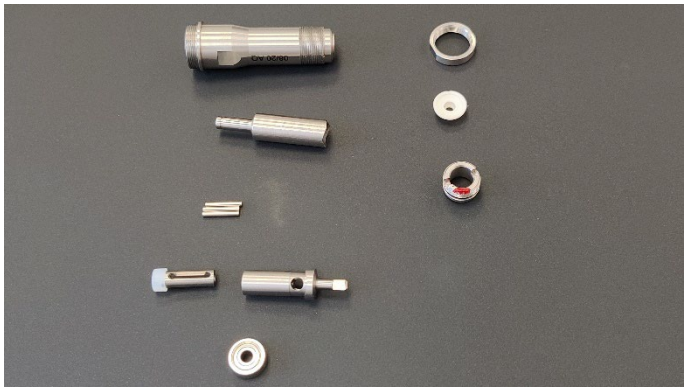


Step 6:

Unscrew the locking nut using the tool supplied.

Step 7:

Removing the clamping chamber. If the clamping chamber does not slide out of the housing on its own, insert a milling cutter into the handpiece



Step 8:

Clamping device disassembled, thoroughly clean individual parts.

Important: The bearings must not be cleaned in an ultrasonic bath, as this will destroy them.

All parts must be completely dry before assembly.

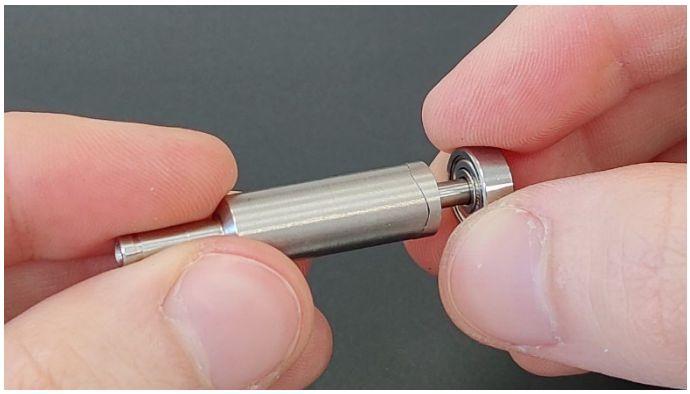
Step 9:

Now reassemble the cleaned and dried parts.

Insert the dowel pins and push the parts together into the clamping chamber.

Step 10:

Slide the clamping chamber into the shaft.

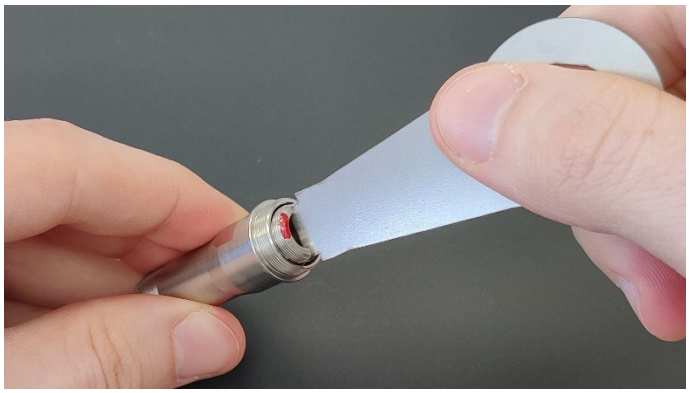


Step 11:

Place the front bearing on the shaft.

Step 12:

Insert the shaft and the clamping chamber into the handpiece housing.



Step 13:

Schrauben Sie die Verschlussmutter ein.

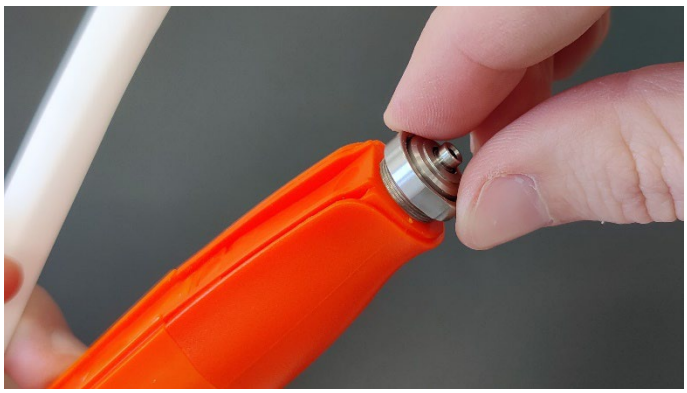
Step 14:

Screw the tip of the handpiece onto the motor.

Make sure that the driver is placed correctly.

Step 15:

Attach the handpiece handle.



Step 16:

Attach the union nut and drip cap.

Step 17:

Mount the spray channel.

When mounting the spray channel, make sure that neither the cable nor the hoses are kinked or pinched. This could lead to malfunctions or defects.

Step 18:

Screw on the union nut between the hose and the handpiece.

11. Troubleshooting

The following steps should help you to solve small problems that may arise without further assistance. If the measures recommended below do not provide the required remedy, please contact Bahner Feinwerktechnik GmbH.

Problem	Cause	Solution
Motor jammed, e.g. due to overload.	Tool is entangled e.g. in a towel or working garment.	Please remove the cause of the blockage and then switch the motor on again using the *ON/OFF button*.
Aqua spray device not working.	Aqua spray device not connected.	Make sure the device is plugged into the mains socket.
	Power socket without power.	Check the fuse/circuit breaker of the power supply.
No spray is coming out.	Tank is empty.	Fill the tank with spray solution. The water level in the tank must always be above the internal filter cartridge.
	The tubes in the handpiece are crushed.	Pay attention to hoses when assembling
	Tank not inserted correctly	Audible and perceptible click when inserting. Use distilled water only.
The device does not work .	Power supply at the device - On/Off switch must light up green	Insert the power plug into the socket.
	Bluetooth connection between device and smartphone	Check whether Bluetooth/GPS are switched on at the smartphone. Icon on the top right (in the app) must be blue.
Problems with the handpiece	Drip cap damaged. (If the cap is defective, dirt can get into the inside of the handpiece and damage the installed mechanics. Consequence: The milling cutter can no longer be inserted. Milling cutter rotates through. Milling cutter no longer rotates).	Check drip cap regularly, must not slip down the cutter when removed. Clean the inside of the handpiece.

12. Spare parts

Should you require spare parts or accessories, please contact Bahner Feinwerktechnik GmbH.

13. Technical specifications

Operating voltage:	110 - 230 Volt AC / 50 - 60 Hertz
Protection class:	1 / IPX0
Power consumption:	Max. 125 VA / in stand-by mode max. 10 VA
Micro motor speed:	3,000 rpm – 42,000 rpm, smoothly adjustable **Our micromotor is brushlessly commutated, thus has a higher power, generates less heat and is almost without wear!**
Volume at full power:	48 dB (without background noise)
Spray volume:	Smoothly adjustable from ca. 0.28 ml/min – 5.6 ml/min in 10 steps, 4 spray settings can be stored and recalled
Operating pressure compressor:	On average 1 bar
Spray device air consumption:	ca. 4.5 l/min
Spray tank volume:	225 ml
Dimensions:	375 x 140 x 150mm (width x height x depth) Length of handpiece / hose unit 1600 mm
Weight:	3300g , including motor hand piece and battery motor hand piece = 175 g
Operating temperature:	10°C - 35°C After transport or storage below the specified operating temperature, the unit should be allowed to acclimatise at room temperature for approximately 30 minutes due to potential condensation.
Transport and storage temperature:	-10°C to +40°C (with empty spray system / tank)
Maximum rel. humidity:	90%, non-condensing

Bahner Feinwerktechnik GmbH reserves the right to make technical and visual modifications to its products at any time without prior notice.

There are no known electromagnetic interactions that occur between this device and other devices.

14. Information on electromagnetic compatibility

Manufacturer's Declaration on Electromagnetic Emissions		
This device is intended for use in the electromagnetic environment specified below. The user should ensure that use is made in such an environment.		
Interference	Requirements meet	Test standard
Conducted radio interference (0.15 MHz - 30 MHz)	Category B	EN 550 11
Electric field strength (30 MHz - 1000MHz)	Category B	EN 550 11
Harmonic currents (0 KHz – 2 KHz)	Category A	EN 61 000 - 3 - 2
Voltage fluctuations/flicker	Fulfilled	EN 61 000 - 3 - 3

Guidelines and manufacturer's declaration for electromagnetic immunity		
This device is intended for use in the electromagnetic environment specified below. The user should ensure that use is made in such an environment.		
Immunity		
Discharge of static electricity	6 KV / 8KV	EN 61 000 - 4 -2
Burst interference	0.5 kV / 1 kV	EN 61 000 - 4 - 4
Surge interference	1 kV / 2 kV	EN 61 000 - 4 - 5
Conducted RF interference (150 kHz - 80 MHz)	Interference level 3V Amplitude modulated signal: m = 80 % Carrier signal: f = kHz	EN 61 000 - 4 - 6
Electromagnetic fields (80 MHz – 2.5 GHz)	Interference level 3V/m Amplitude modulated signal : m = 80 % Carrier signal: f = kHz	EN 61 000 - 4 - 3
Magnetic fields with energy-related frequencies	3 A/m Orientation frequency : f = 50 Hz	EN 61 000 - 4 - 8
Voltage dips and short-term interruptions	Voltage dips : - 30 % 500 ms Voltage dips : - 60 % 100 ms Voltage dips : > - 95 % 10 ms Short-term interruptions: > - 95 % 5000 ms	EN 61 000 - 4 -11

Tests according to product standard EN 60601-1-2

Recommended safety distances between portable and mobile RF communications equipment and the foot care device.			
Rated power of transmitter in watts [W]	Protective distance relative to transmission frequency in metres [m]		
	150 kHz to 80 MHz d = 1.2 P	80 MHz to 800MHz d = 0.35 P	800 MHz to 2.5 GHz d = 0.7 P
0.01	0.12	0.04	0.07
0.1	0.38	0.11	0.22
1	120	0.35	0.70
10	3.79	1.11	2.21
100	12.00	3.50	7.00

The device is suitable for use in commercial premises, but not in industrial environments.

15. Warranty

Dear Customer,

Thank you for choosing to purchase the **b-on-foot Aqua spray device**, an excellent choice. Our pedicure devices are produced under strict manufacturing guidelines and are known for high quality, functional reliability and longevity.

The warranty period is 12 months from the date the item was delivered to the buyer. Section 479 BGB (German Civil Code) remains unaffected. Parts subject to wear are excluded from the warranty.

For a better understanding here is a brief summary of the two terms "warranty" and "guarantee".

Warranty:
On 01/01/2002, the new EU Directive 1999/44 came into force, which among other things regulates the statutory warranty period. Warranty is thus prescribed by law and includes the right to repair. The buyer therefore has the right to assert claims for purchases made during or since 2002 in cases where goods purchased prove to be defective at the time of purchase. The decisive factor here is that the defect existed when the goods were handed over.

The warranty does not cover natural wear or damage resulting from improper or negligent handling, excessive use or special external influences not anticipated in the contract, as well as non-reproducible software errors.

To judge this, we need the defective product in its original state (not dismantled). Further claims, in particular for compensation for direct or indirect losses, are excluded.

Guarantee:
Guarantee is a voluntary service provided by the seller or manufacturer in addition to the warranty; the content of the guarantee is therefore not required by law. The guarantee includes the remedy of material defects through repair or replacement.

In common parlance, every defect liability for a purchased item is called a guarantee. This is not correct. The aforementioned amendment only relates to warranty schemes.

Please read these instructions carefully before using the device. This will avoid incorrect use.
What to do in case of damage?

Please contact your supplier, who will be happy to assist you.

16. Disposal instructions

Do not dispose of this device with the household garbage!

According to the directive RL2002/96/EG (WEEE - Directive on Waste Electrical and Electronic Equipment) applicable in all EU Member States, this product must be recycled at the end of its lifetime.

For further information on disposal points for electrical and electronic devices in your region, please contact your local authority.