

Instructions


1. Download the **Wasservalue** app by **Watasensor Inc.** for free from the either App Store (iPhone) or Play Store (Android) and install on your smartphone.
2. Open the Wasservalue app
3. Tap the “**Sign up**” icon to create a new account. The account can be accessed on multiple smartphones by using the same Username and Password.

- Enter Username
- Enter E-Mail
- Enter password
- Retype Password
- Tap “**Sign up**”
- An email will be sent to the user’s email address to verify the email address
 - Please click the link below to verify your email address
 - **Verify Email**
- Your registration has been confirmed

4. Tap “**Log in**”, the "Sign in" screen will pop up

- Enter E-Mail
- Enter password
- Tap “**Sign in**” and the Dashboard screen will pop up.

Note: Tap “Forget Password?” in case you forget the password

5. Tap  icon located at the top right corner of the dashboard to add a

WasserValve device.

6. The Add Device screen with the black rectangle window will pop up to guide users to how to scan the device’s bar code

7. Focus your smartphone’s camera to scan the Wasservalue’s bar code located on the top side of the Wasservalue device.

8. If the scanning of Wasservalue’s bar code is successful, the Add Device page will pop up.

9. User can enter the device information like a name for bar code, and others and tap **Continue**.


10. If the add device is set up successfully, the message “**Device has been added successfully**” will pop up.

11. Tap “**Back to Dashboard**”.


12. Press and release button  located on the top right of the Wasservalue

to wake up the Wasservalue from idle mode. **The red LED** will be on shortly, and the connection between Wasservalue and cloud-based server on AWS is established. The Wasservalue is registered with AWS cloud-based server and information of the registered Wasservalue will be updated on the client app thereafter.

13. To register a sub valve with AWS cloud-based server


- a. Tap the registered Wasservalue bar in the Dashboard. The selected Wasservalue screen will pop up
- b. Tap bar “Add a Sub valve  “ below the Wasservalue bar. The Add Device screen with the black rectangle will pop up.
- c. Focus your smartphone’s camera to scan the Sub valve’s bar code located on the bottom side of the sub valve device.
- d. If the scanning of sub valve ’s bar code is successful, the Add Device page will pop up to show the captured sub valve’s bar code. Here user replaces the bar code with a designated name for each sub valve by entering a name in bar code field.
- e. Tap **Continue**.
- f. Tap **“Back to Dashboard”**.
- g. Tap Main Valve bar. The Main Valve screen will pop up and show the main valve and added sub valve
- h. Tap the added Sub valve bar. The sub valve page will pop up
- i. Tap on the Add a timer bar. The Mode screen will pop up
 1. “Open the valve at bar” is up. Click this bar, it will change to ”Close the valve at” otherwise go the step 2 for open the valve.
 2. Click the tiny time window (hh:mm). The schedule window will pop up
 3. Set a timer (**current time + 2+ minutes**) for immediate open/close
 4. Tap Set. It will jump back to the sub valve screen with the scheduled action either “Valve is opened or closed” and its associated time”
- j. On the next wakeup cycle, the Wasservalue will wake up from the idle mode, the shutoff valve will be automatically registered with AWS based-cloud server. At the same time, the Open or Close will be also activated and an associated notification is sent to smartphones. The status of the registered shutoff valve will be updated on smartphones respectively.

14. To Close or Open the Wassevalve device


- a. Tap the main valve bar from the Dashboard. The main valve page will pop up.
- b. Tap on the “Add a timer  “bar. The Mode screen will pop up



1. Open the valve at bar is up. Click this bar, it will change to "Close the valve at" otherwise go the step 2
2. Click the time window. The schedule window will pop up
3. Set a timer (**current timer + 2+ minutes**) fro an immediate
4. Tap Set. It will jump back to the main valve screen with the scheduled action either "Valve is opened or closed" and the scheduled time"
- c. The Open or Close will be activated **automatically on the next Wake up cycle and an associated notification is also sent to smartphones.**

14.To Close or Open a sub valve associated with each Wasservalue

- a. Tap the sub valve bar. The sub valve page will pop up
- b. Tap on the "Add a timer bar  ".The Mode screen will pop up
 1. Open the valve at bar is up. Click this bar, it will change to "Close the valve at" otherwise go the step 2
 2. Click the time window. The schedule window will pop up
 3. Set a timer (at least **current timer + 2 minutes**)
 4. Tap Set. It will jump back to the main valve screen with the scheduled action either "Valve is opened or closed" and the scheduled time"
 - c. The Open or Close will be activated **automatically on the next Wake up cycle and an associated notification is also sent to smartphones.**

Notes:

1. The water usage and valve status are normally updated on the AWS server on **every 1 minute(default)**, when the connection between the main valve and AWS server is established.
2. Adjust the wake-up cycle
 - a. Tap Main Valve bar. The main valve screen will pop up.
 - b. Click icon  is located on the top right corner.
 - c. The Settings screen will pop up
 - d. Adjust the Wake up cycle from the 1 minute (default value) up to 240 minutes. **This will extend the battery life.**
 - e. Tap bar SAVE. It will jump back to the main valve screen.
 - f. The new wake up cycle will be registered on the next wake up cycle. Thereafter the new adjusted wake up cycle will be followed.

3. It's possible to manually turn on/off the main valve in two steps as follows:
 - a. Press and release button  located on the top right of the device to wake up the Wasservalue from idle mode. The **red LED** will be on shortly.
 - b. Press and release button  located on the top left of the device to turn on/off the main valve manually.
4. Upon detection of water leakage and pipe bust, the Wasservalue will instantly shut off water supply, and an instant notification is sent over Internet to the user's smart phones via cellular and broadband network respectively.