

EcoShower User Manual

Introduction

Welcome to **EcoShower**, the smart shower system that helps you save water, energy, and money. This guide covers how to use the web application to control your smart shower device.

Getting Started

1. Registration

1. Open the EcoShower App.
2. Click "**Don't have an account? Sign up**".
3. Enter your **Name**, **Email**, and **Password**.
 - *Note: Password must contain uppercase, lowercase, number, and special character.*
4. Enter the 6-digit verification code sent to your email.
5. You will be automatically logged in.

2. Adding a Device

1. Navigate to the **Devices** tab (Shower Icon).
2. Click the **+ (Plus)** button to open the "Add Device" modal.
3. Enter a **Device Name** (e.g., "Master Bath").
4. Enter the **Device Code** (12-character ID found on your hardware).
5. Click "**Add**". The device will appear in your list.

Using the Smart Shower

Step 1: Pre-Heating (Remote Config)

1. Click on your device card in the list to open the **Control Panel**.
2. Adjust the **Temperature** slider (30°C - 45°C).
3. Adjust the **Duration** slider (1-30 minutes).
4. Click the orange "**Start Heating**" button.
 - The status will change to "Heating...".
 - *Simulation Note: 1 minute of planned time = 1 second of mock heating wait time.*
5. Wait for the notification.

Step 2: Water Ready

- When the target temperature is reached:
 - You will receive an **Email Notification** (subject: "EcoShower - Water Ready!").
 - *Note: Ensure "Water Ready Alert" is enabled in Settings.*
 - The app status will change to "**Ready!**" (Green).

Step 3: Showering

1. Enter the shower.

2. Click the blue "**Start Shower**" button.
 - The valve opens.
 - The app shows a live timer and "Shower in progress..."
3. When finished, click "**End Shower**".
 - The valve closes.
 - You will see a summary of your session (Water & Money Saved).

Dashboard & History

- **Dashboard:** Shows your activity summary.
 - **Filters:** Use the toggle buttons at the top to switch the view between:
 - **Last 7/30 Days:** Shows daily breakdown bars.
 - **All Time:** Shows monthly consolidated bars for long-term trends.
 - **Cards:** Displays "Today Usage", "Total Cost", "Total Usage", and "Total Showers".
- **History:** Shows a list of all your past sessions with details (Date, Duration, Cost).

Settings

Navigate to the **Settings** tab (Gear Icon) to customize your experience:

1. **Profile:** Update your Display Name.
2. **Notifications:**
 - **Water Ready Alert:** Toggle ON/OFF to control email notifications.
3. **System:**
 - **Temperature Unit:** Switch between Celsius (°C) and Fahrenheit (°F).
 - **Water Price:** Set your local water cost (default: 0.008 NIS/Liter).
 - **Language:** Switch between English (EN) and Hebrew (HE).
4. **Save:** Click "**Save All Settings**" to apply changes.