

# EcoShower User Manual

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## 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**.
  - o *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.
  - o The status will change to "Heating...".
  - o *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:
  - o You will receive an **Email Notification** (subject: "EcoShower - Water Ready!").
    - *Note: Ensure "Water Ready Alert" is enabled in Settings.*
  - o 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.