canDO Bundle Quick Start

canDO+ firmware 3.0 · Valve Controller firmware 1.3.0 · Updated November 2026 · cando.plus

1. Set up each product

1. **Valve Controller:** install it and pair it with the Valve Ctrl app, as in the Valve Controller Quick Start. Keep the 6-digit pairing code from its label: you need it again in step 3.
2. **canDO+:** install it and connect the canDO+ Manager app, as in the canDO+ Quick Start.

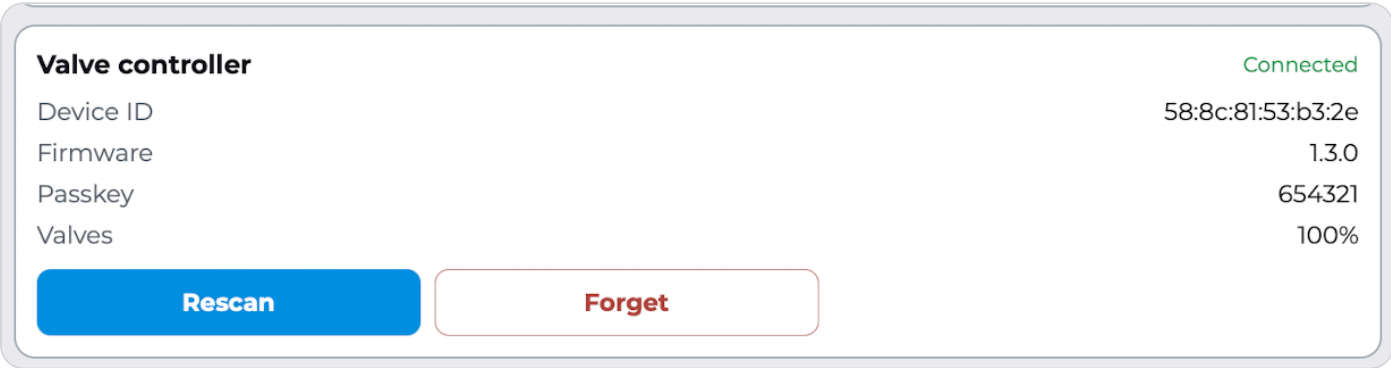
2. Update both

Linking needs canDO+ firmware **3.0** or later and Valve Controller firmware **1.3.0** or later. Each app offers its update when one is waiting: canDO+ Manager under **Settings › canDO+**, Valve Ctrl under **Update**.

3. Link them

1. Start the engine, or switch on diagnostics mode so the controller has power: press **Start** 3 times in quick succession, without your foot on the brake. In diagnostics mode, a battery charger on the car is a good idea. Then open canDO+ Manager in the car.
2. Go to **Settings › Valve controller** and tap **Scan**. Nearby controllers appear with their signal strength.
3. Tap yours and enter its 6-digit pairing code.
4. The card shows **Connected**, with the controller's firmware and valve position. A **Valves** group now appears in the action list.

The link is stored in canDO+, so valve actions work on every drive without your phone. Your phone can stay connected to the controller at the same time.



The **Valve controller** card once linked: the controller's Device ID, firmware, pairing code and current valve position. **Rescan** looks for it again; **Forget** unlinks it.

4. Put the valves on your buttons

Valve actions work like any other canDO+ action: on the **Associations** tab, pick a trigger, add an action from the **Valves** group, and tap **Save**. For example, M1 at 50% and M2 fully open (G8X):

Trigger	Action
M1 Enable	50% OPEN Valves
M2 Enable	100% OPEN Valves
M1/M2 Disable	OEM Valves

M1 and M2 send the same signal, so first set **Settings › M1 / M2 › M1 setup** to a setting that differs between your M1 and M2, for example Engine on Efficient for M1 and Sport for M2.

Any trigger works, such as *MAP Long Touch → TOGGLE Valves*. For an opening that is not in the list, create a custom valve action under **Custom Actions** on the Associations tab: a fixed percentage, or a change on top of the car's own position (× OEM, + OEM).

If something is off

Problem	What to do
Scan finds no controller	Start the engine or switch on diagnostics mode, stay near the car, and check both firmware versions (step 2)
Valve actions do nothing	In canDO+ Manager, **Settings › Valve controller** should show **Connected**. Also close the canSPY tab and check that Stealth Mode is off
M1 and M2 are mixed up	Set **M1 setup** to a setting that differs between your M1 and M2

To check a change came from canDO+, open Valve Ctrl: the activity log under the valve ring shows *canDO+* as its source. For anything else, email support@cando.plus with the canDO+ Device ID and the controller ID.