X-FLAP AFTERMARKET EXHAUST VALVE CONTROLLER - TM

Ver.0.0.1

The X-FLAP Aftermarket Electronic Valve Controller is specifically designed for vehicles requiring the installation of aftermarket exhaust valves. The standard configuration supports single-valve control and can be expanded to dual-valve synchronized control via an optional dual-valve extension harness. The controller supports three operating modes: ON (Fully Open), OFF (Fully Closed), and AUTO (12V Trigger Linkage), which can be switched instantly via a smartphone APP or remote control to establish a comprehensive electronic valve control system.

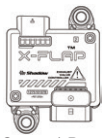
*Optional valve seats (51mm/2", 63mm/2.5", 76mm/3") are available for purchase to be welded onto exhaust piping such as the rear muffler or side pipes.

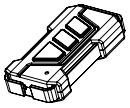
*An optional direct-drive valve motor is available. The motor body adopts standard BMW electronic valve mounting specifications; if the factory motor is damaged, it can also serve as a replacement and operate independently with this controller, without the need to use the factory wiring.

CONTENTS

SINGLE VALVE

X-FLAP TM-EA5 SW16017-03


Control Box


Remote Controller

6-Pin Connector Cap

User's Manual

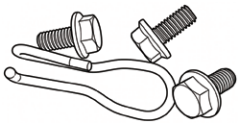
Power cable

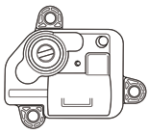
Valve Signal Cable*100cm

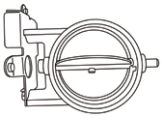
OPTIONAL

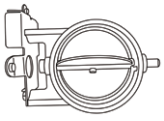
OPTIONAL KIT

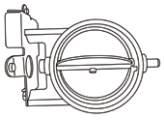
The valve seat includes fixing bolts and a return spring.




Direct-Drive Valve Motor-2P
SW70005-00


51mm(2") Electronic Valve Seat
SW70051-00


63mm(2.5") Electronic Valve Seat
SW70052-00


76mm(3") Electronic Valve Seat
SW70053-00

*The valve seats are weld-on type.
*The motor mounting points are compatible with standard BMW specifications; actual installation depends on the vehicle configuration.

DUAL-VALVE EXTENSION HARNESS KIT

Valve Signal Cable*200cm

*For dual-valve control, please purchase the Dual-Valve Extension Harness Kit separately.

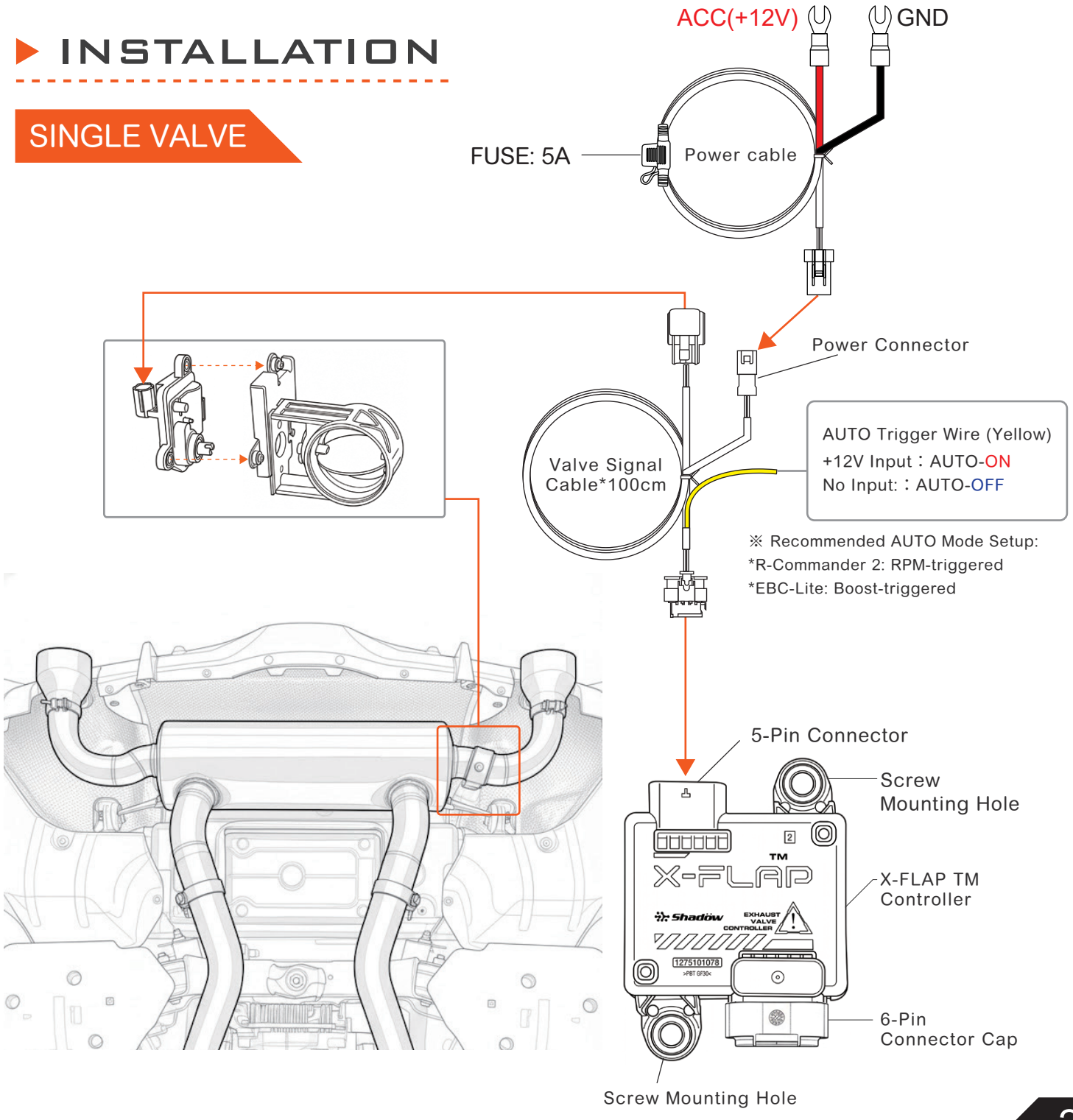
Valve Signal Cable (Hanging Card Packaging)
SW13205-00

WIRING INSTRUCTIONS

- This product includes an independent power harness; connecting to the interior fuse box ACC (+12V) is recommended.
- The standard configuration supports single-valve control; for dual-valve synchronized control, please purchase the Dual-Valve Extension Harness Kit separately.
- If equipped with the optional dual-valve extension harness, both left and right valve signal cables feature pre-wired power plugs; connect power to one side only during installation.
- The waterproof main unit must be secured in a higher position on the chassis to prevent impact or water damage.
- Secure the wiring harness clear of drive shafts, suspension links, high-temperature exhaust piping, or any areas prone to tension or abrasion.
- AUTO mode requires the yellow trigger wire. If disconnected, the valve remains OFF in AUTO mode.
- In OFF (Fully Closed) mode, drive only at low RPM and low load. Avoid heavy acceleration to prevent high backpressure, ECU errors, or vehicle damage.

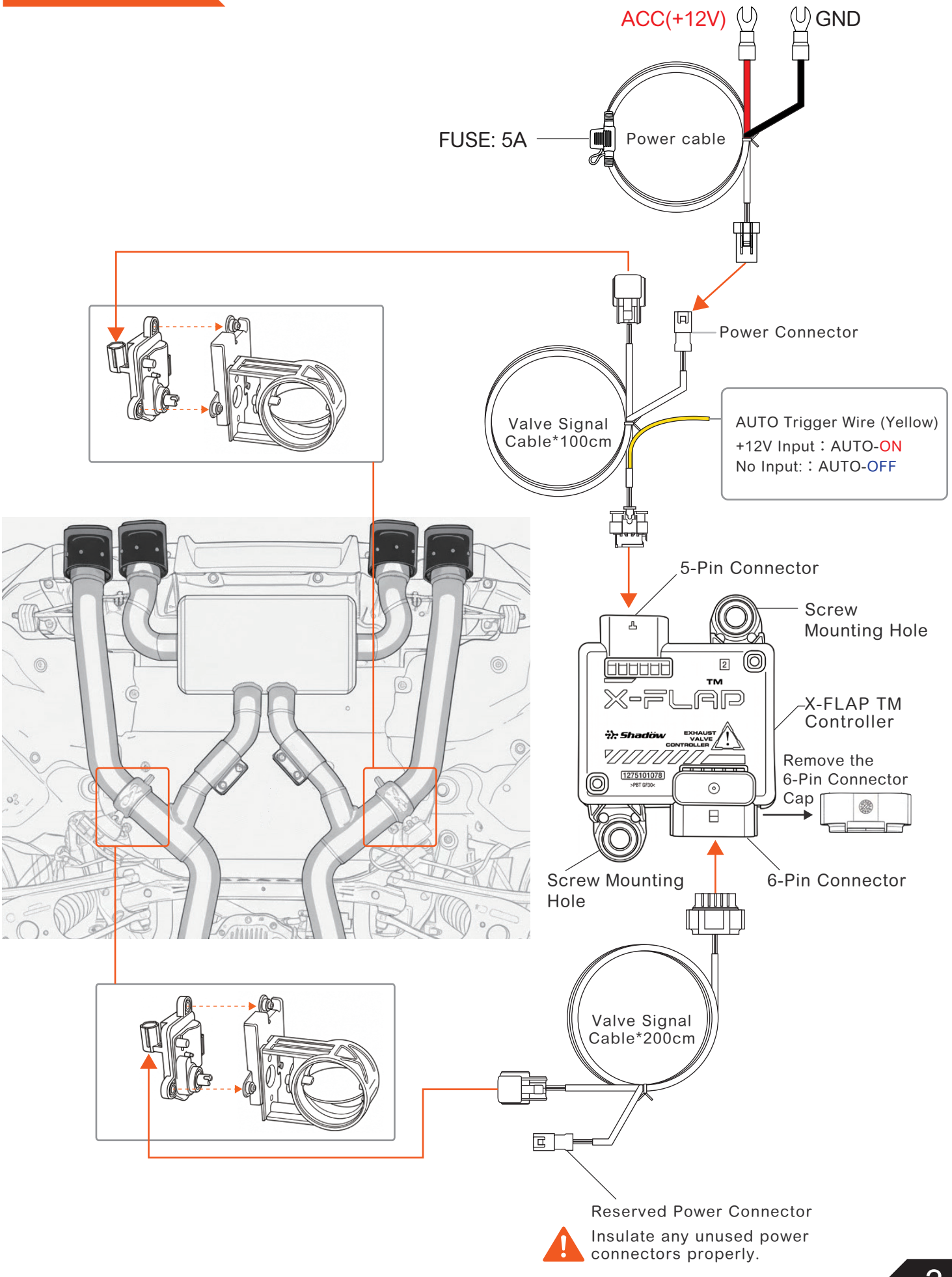
INSTALLATION

SINGLE VALVE



INSTALLATION

DUAL VALVE



APP INSTRUCTIONS

This product can be used with the APP.

APP Name: X-FLAP
Device: X-FLAP_OTA (Exhaust)
Password: 1111

Requires iOS 17.0 or later / Android 5.0 or later.

Download on the App Store

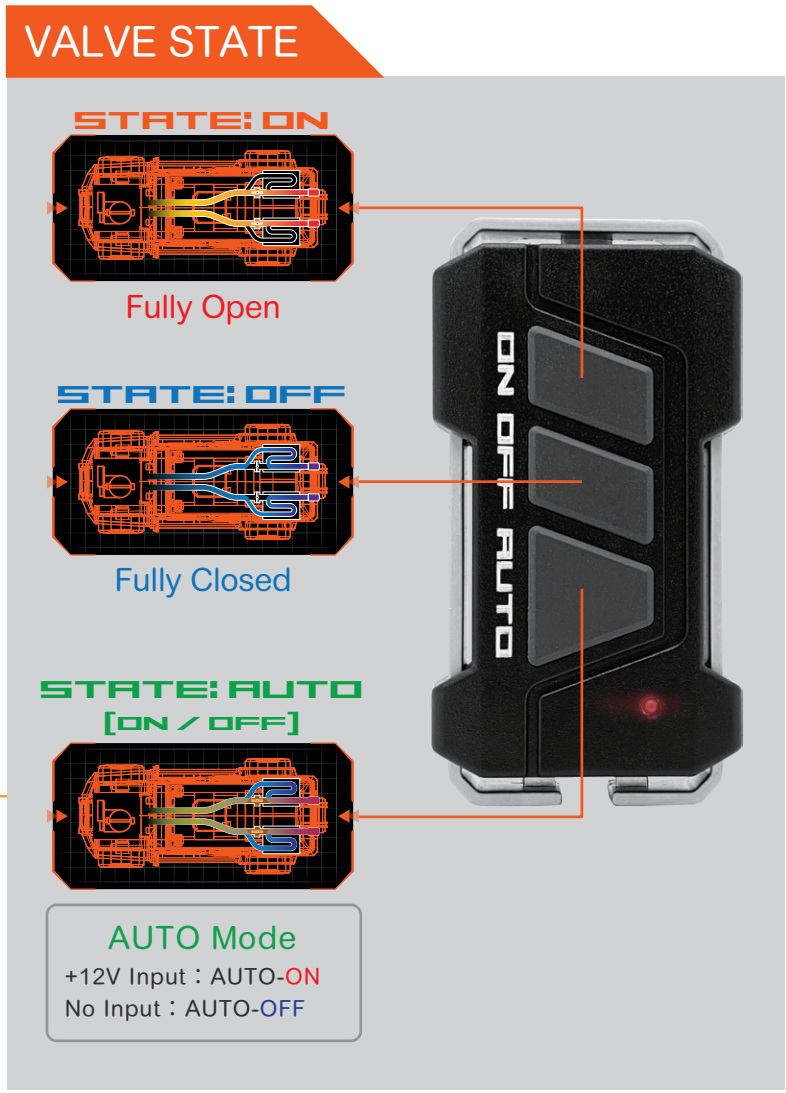
GET IT ON Google Play

Download Link

OPERATION INSTRUCTION

Controller Model

Home



DEFAULT & DETAILED SETTINGS

DEFAULT

App configures startup valve status. Default is LST (Memory Mode): retains status from last shutdown. Startup status can be fixed to ON, OFF, or AUTO.

REMOTE CONTROL PAIRING

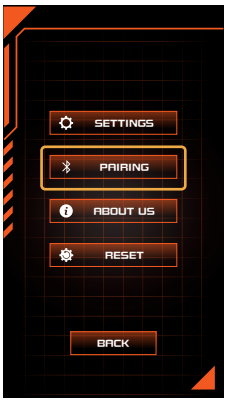
Open App to Settings

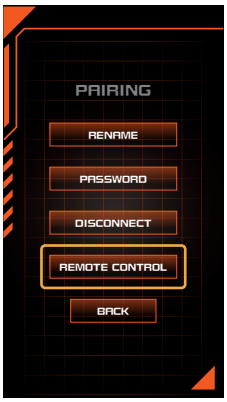
Tap "PAIRING"

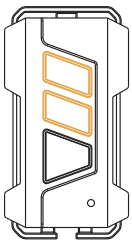
Tap "REMOTE CONTROL"

YES

Complete







Long press the remote ON/OFF button until the red LED flashes once.

*Ensure ACC power is ON.
*If "PAIRING FAILED" appears, please retry.

www.shadowmotor.com.tw

Address: NO.163 Fan-Hwa Road, Chin-Hsin Village, Hsiu-Shui, Chang Hwa, TAIWAN
Tel: +886-4-7681140 Fax: +886-4-7698587 E-mail: info@autojaw.com

Copyright 1999-2026 AUTO JAW CO,LTD ALL Rights Reserved.

AUTO JAW Co.,Ltd