

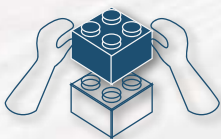


Fagolli F2552 Automatic Gate System

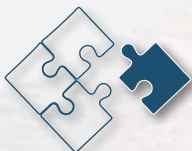
Everyday Machine, Revolutionary Upgrade



Industry-leading green energy innovations



Effortless-installation engineering



Minimal parts, minimum maintenance



Compatible with most gate layouts



Customer-centric user experience



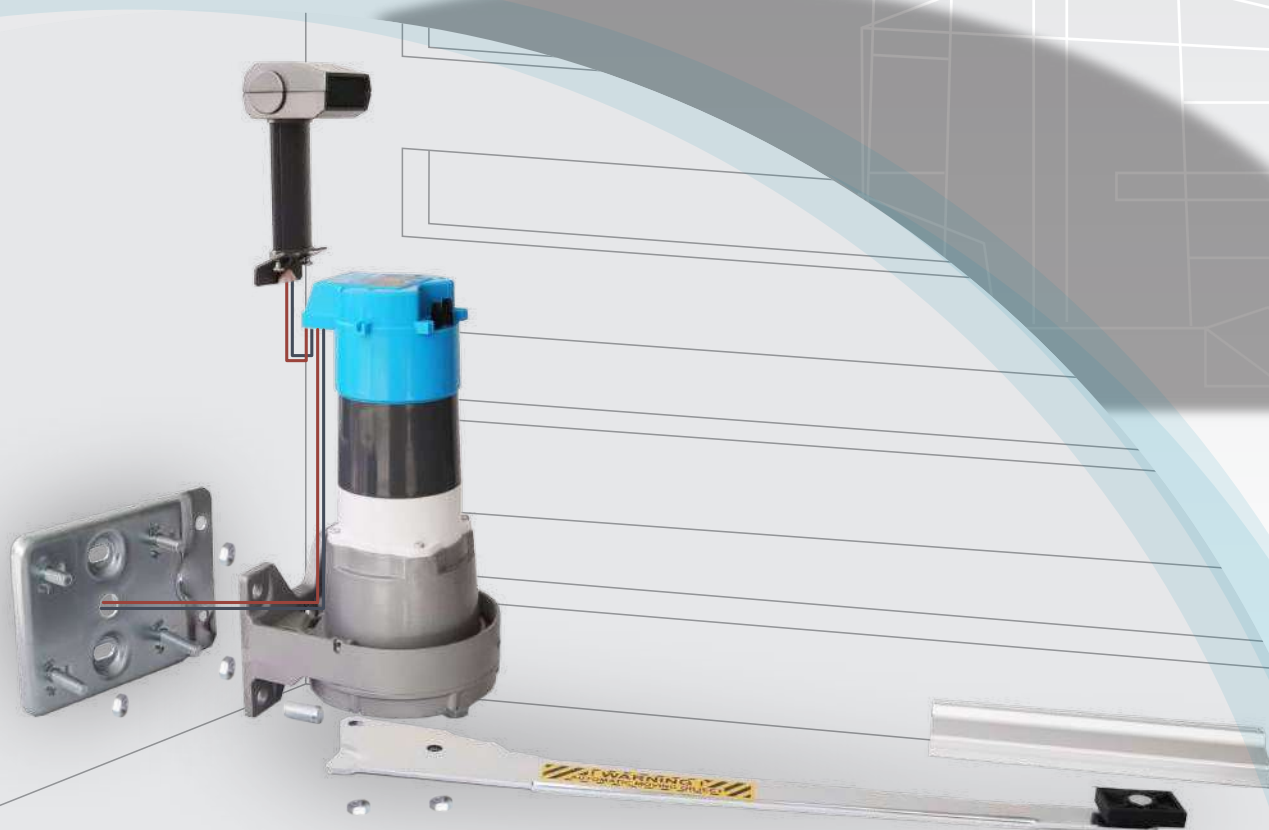
QSx

Quick Simple Fix Concept

NEW Concept

Fagolli's engineering has made the QSx concept possible. All our products and systems are designed to reduce the number of active components while ensuring the highest functioning standards, keeping the effort of troubleshooting and repairs to a minimum.

- Plug-and-play installation & maintenance
- Simple & easy instructions
- Hassle-free repair
- DIY Enthusiast & Handyman friendly



F2552



Infrared Safety Beams ★

The infrared system now plugs directly into the built-in control board, eliminating the need for underground cabling.

Control Board ★

Fagolli's engineering team has made it possible to fully integrate the control board into the motor itself.

Manual Override Lock

Remote Receiver ★

The remote control receiver now integrates directly onto the control board, eliminating the need for a separate plug-in device.

Siren Buzzer ★

The siren buzzer is now enclosed within the motor housing itself

Gear Motor

Gear Box

One-For-All Engineering

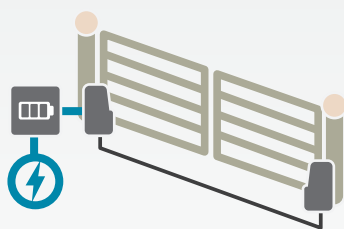
Unlike conventional systems, this new machine has been designed to fit a large control board into a small motor body. This compact smart motor eliminates the need for additional wired connections to an external main control box.

Adaptable To All Home Configurations - Flexible When Sourcing A Power Supply

The F2552 system can be powered the conventional way using an AC power source. However, the system stands out when conventional power sources are unavailable.

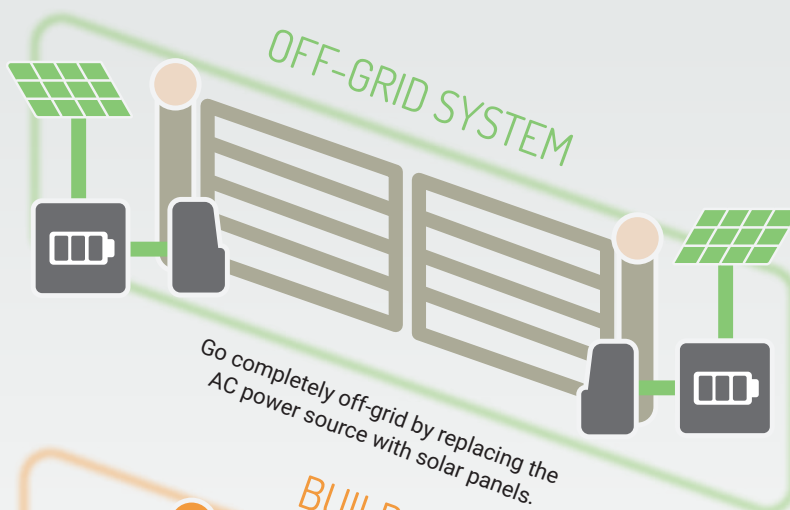
This new design provides users with multiple options to power the system.

AC POWER SOURCE



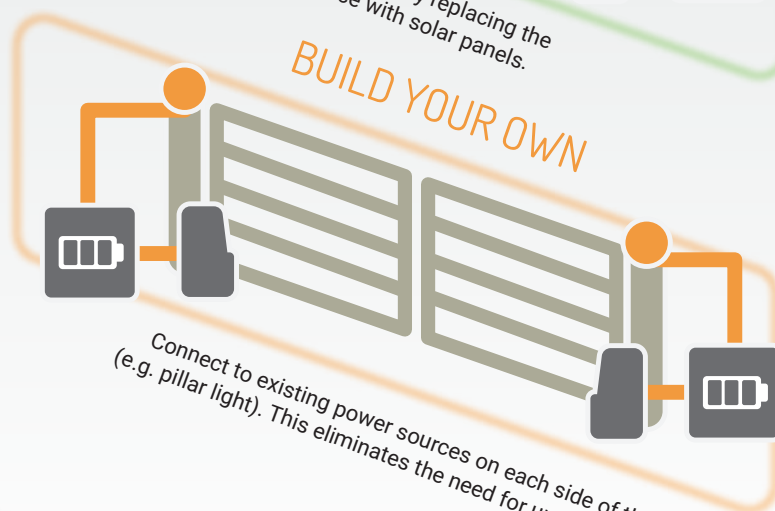
AC as the conventional power source linked by underground cables.

OFF-GRID SYSTEM



Go completely off-grid by replacing the AC power source with solar panels.

BUILD YOUR OWN



Connect to existing power sources on each side of the gate (e.g. pillar light). This eliminates the need for underground cables.

Packaged To Suit Your Needs

We provide flexible configuration options for your household needs. All F2552 motors come in a standard pack. From there, complete your purchase by selecting the AC power option, solar option, or further customised options.



Generic Powering Options

AC Power Configuration



For homes with pre-existing underground wiring (minimum of 2 cores), we recommend connecting both motors directly to a power box.

Suitable for:

Locations with pre-existing underground electrical wiring.

This set includes:

F2552 Motor Driver x2, Powerbox x1, Transformer x1



Motor System



Power System

Solar Power Configuration



For homes where the gate location receives direct and consistent daily sunlight, we recommend solar panels be installed on top of the gate pillar or awning, connecting them to our dedicated power box to power both motors.

Suitable for:

Locations with consistent direct sun exposure, without pre-existing underground wiring.

This set includes:

F2552 Motor Driver x2, Powerbox x2, Solar Panel x2



Motor System



Power System

Customised Powering Options

Single Solar Configuration



Pillar Light Configuration



For customers who find our generic AC and Solar Power Options less suitable for their unique gate layout, the F2552 is designed to flexibly cater for niche cases, such as sourcing AC power from existing pillar lights, and many more.

F2552 Features



Infrared Safety Beams

When obstacles are detected during gate closing mode, our gates undergo a subtle reverse motion, followed by a soft stop. Unlike conventional gates that open fully when obstacles are detected, Fagolli's operation simply stops the gate mid-way. This safety feature dissuades the entry of unwelcome intruders and keeps your family, vehicles and pets safe.

Dual-Trigger Security Alarms

Remote control-triggered Panic Alarm
Users can use the remote control to activate an alarm siren when danger is present.

Infrared safety sensor built-in Intruder Alarm
After the gate is closed and locked, the infrared safety sensor will automatically function as a burglary sensor, activating an intruder alarm when danger is detected.



Lightning Strike Resistant

The F2552 is designed to be lightning strike resistant, with the Solar Configuration designed with the highest lightning resistance capability amongst other configurations.



Locking Mechanism & Manual Override

Our motor system has a built-in locking mechanism. During rare emergencies such as power outages, users can easily unlock the gate with their unique key and adjust the gate position manually.



Automatic Close Function

This function allows the gate to close automatically after a preset time. This feature provides added safety for users who accidentally forget to close the gate, or for those who prefer a hands-free gate-closing function.



Gate Motion Alert Tunes

Unique and easily-recognisable tunes are built in for gate open and close operations. Users will be able to recognise gate operation auditorily via sound, rather than having to look directly at the gate itself.



Backup Battery

In the unlikely event of a complete power outage, our backup battery will ensure your gate remains functional for up to 14 days (up to 1500 operations*).

*Usage may vary based on gate type & material, and battery condition.



Fagolli IoT Hub

First autogate in-house smart home device. Gain more control options over your autogate using your smartphone through Fagolli's IoT Hub. Your phone also doubles as a backup safety device in case of emergencies.



SoftGlide Motion

- Significantly reduces stress on the gate
- Smoother gate movements
- Enhances gate safety
- Improves energy consumption efficiency



Fagolli's engineering team has crafted a revolutionary innovation in the household automatic gate industry, the SoftGlide Technology - achieving the smoothest start-stop motor system.

This smooth start-stop motor system allows the gate to conduct gradual speed changes, helping the autogate to reduce jerk or sudden changes in acceleration.

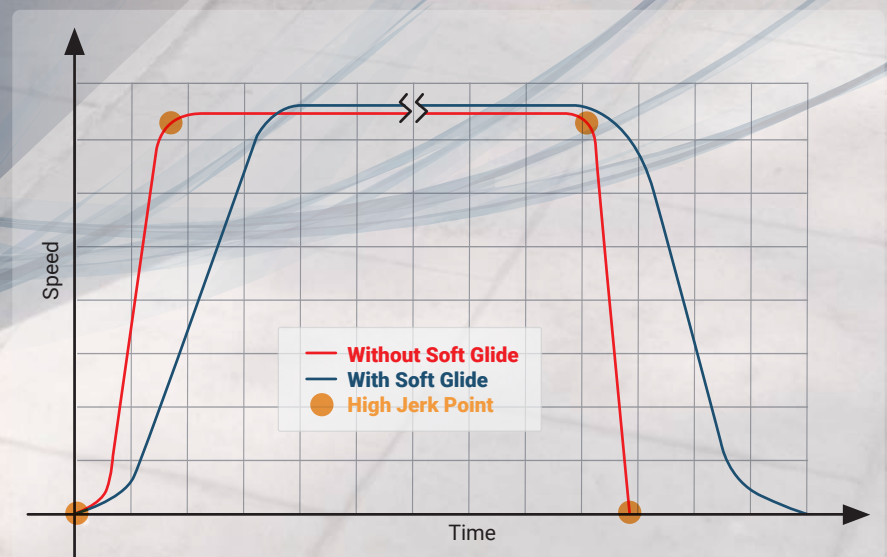


*Diagram based on Fagolli's research engineering lab simulation results

Armed For Safety: ANTI-SPY Remote Control

Fagolli's remote control is armed to prevent hackers from remote control cloning. Our brand new ANTI-SPY remote is designed to generate a new, unique code upon each gate operation session.

How ANTI-SPY Works



A conventional remote is programmed to transmit the same code for every use. This allows burglars to gain access to your home by replicating the signal.

In rare cases when a hacker is able to intercept and clone your signal, our ANTI-SPY technology will prevent the same signal from operating the gate again.

Multifunction Remote Control



Panic Alarm



Alert Sound



Force Close



Pairing



Motion Alarm



Pairing Lock



Autoclose Timer



New ID

Anti-Duplication Lock

The Pairing function allows users to conveniently grant gate access permission to guests, contractors or cleaners.

However, when the Anti-Duplication Lock is enabled, the remote stops pairing with another remote, thus ending their access permissions, giving you full control once again.

Guest



Contractor



Cleaner



QSx

Quick Simple Fix Concept

Fagolli's own QSx concept vastly simplifies the installation, maintenance and repair process for all Fagolli products, living up to its Quick and Simple idea. Whether it involves a plug-and-play product, or the display of clear maintenance notifications, any users or installers are able to perform installation, maintenance or repairs without hassle.

This is made possible as our products and systems are designed to reduce the number of active components, keeping the effort of troubleshooting and repairs to a minimum.

By lowering the barrier to installation, more people are able to easily install our operating system.

DIY ENTHUSIAST

HANDYMAN

Simple Maintenance & Support

2 Steps: Easy Troubleshooting & Plug-and-Play Replacement

Step 1:

Users or installers to conduct QSx troubleshooting in two simple ways:



Step 2:

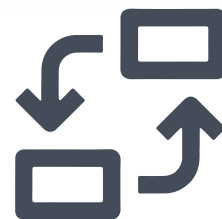
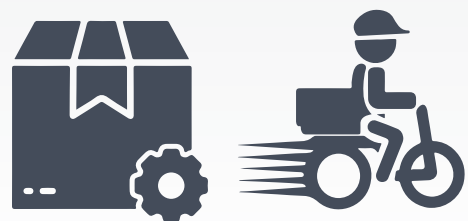
When a device fault is detected, contact our head office and we will send you a replacement for the faulty parts for an easy plug-and-play fix.



Check the blinking LED on the Power Box and Smart Motor



Switch parts between motor systems



Caution: Non-experienced users are advised not to fix or change parts for AC power configuration systems as high AC voltage can be dangerous.



Fagoli F2552 Technical Specifications

Maximum Rating

	(per wing)	
	Max width (m)	Max Weight (kg)
Swing Gate	2	150
Folding Tracked Gate	4	200
Folding Trackless Gate	3.4	150

Electrical Specification

Motor Type:	120W PMDC Motor
Standard Operating Voltage:	12V ~ 19V (DC)
Standard Power Usage:	0.015A (Standby) 12A (Maximum Operating Current)
Battery Life:	1500 Operations* 14 Days Standby* * Performance may vary due to loading condition * Tested under laboratory-controlled conditions using a 7AH 12V Battery (Healthy, Full Charge) and a single motor

Mechanical Specification

Driver:	Single Arm Rotary Motion
Gear System:	25 element 4 stage planetary gear train
Transmission Reduction Ratio:	1:2310
Maximum Output Torque:	196Nm (dynamic) 318Nm (static)
Maximum Drivebar Speed:	0.17 rad/s**
Standard Operating Time:	(90 Degree Movement) 10 s (90%)** 16 s (100%)**
Recommended Operation Rate:	Less than 100 operations per day **Performance may vary based on gate mass and type

Electronics Specification

Processor:	Microcontroller Embedded System
Remote Radio Frequency:	315MHz OOK
Remote Radio Protocol:	Digicraft Anti-Spy technology
Motion Control:	Digicraft SoftGlide Motion System

Safety & Security Features

Overload Protection:	Yes
Obstacle Detection:	Yes (Safety Beam Required)
Locking Mechanism:	Electromagnetic lock with manual key release
Panic Alarm:	Yes (Triggered from remote control)
Intruder Alarm:	Yes (Arming Required)
Gate Motion Alert:	Yes (Setting Required)

Addition Features

Smart Home Hub Control:	Yes (Digicraft Home IoT Hub Required)
Backup Battery:	Yes

www.fagolli.com.my

Fagolli F2552 Automatic Gate System
Industry-changing effortless installation,
made to fit all kinds of homes.

Premium Aluminium
Trackless Bifold
Automatic Gate

Automatic Gate
Rotary Driver
Motor System

Mobile App Control
& IoT Hub

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 Website



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