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FOREST® Forest Shuttle M

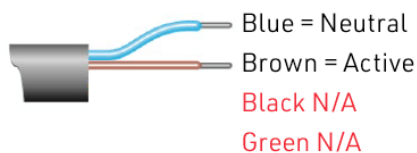
DRAPERY HARDWARE



Specification	Details
Item Number/Code	FG.FMS.121 (White), FG.FMS.122 (Black) #5232000003 (White), #5232006003 (Black)
Maximum Curtain Weight	70 kg
Nominal Torque	1.5 Nm
Nominal Speed	14 or 17 cm/s
Sound Level	40 dB
Max Power	72W
Voltage	24V DC
Radio Frequency	433.92 MHz (RF Remote Control or RF Wall Switch)
Index Protection Rating	IP 20 (for indoor use only)
Automation Control	Yes, by DCT control via CAT 6 data cable with RJ12 plug (data cable not supplied), or the Forest AC Control Set (#5201002202)
Warranty	10 Years
230V/24V DC Adaptor	
Voltage Input	100V - 240V, 50Hz – 60Hz
Voltage Output	24V DC
Adaptor Power Cable	2-pin plug to figure 8 connector (2.0m black or white)

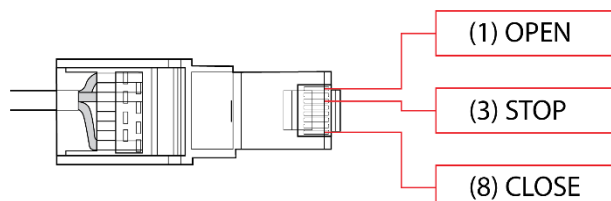
NOTE: If another power supply is used or a central power supply, each Shuttle M receiver must be protected with a 4A slow fuse.

Forest Shuttle M Motor wiring:






Forest Shuttle M Motor Automation Control

- Dry Contact (DCT) via CAT 6 data cable and RJ12 plug (data cable not supplied)





-  Hey Google
-  Hey Siri
-  Hey Alexa



DOMOTICS
READY



APP
CONTROL



WIRELESS
REMOTE



TOUCH
CONTROL

FOREST SHUTTLE[®] & FMS[®] Series

The Forest Shuttle[®] curtain motor and the Forest Motorised curtain track System (FMS[®]) make an unbeatable combination when it comes to a troublefree operated electric curtains.

FOREST SHUTTLE[®] S
FOREST SHUTTLE[®] M
FOREST SHUTTLE[®] L
FOREST SHUTTLE[®] AC
FOREST SHUTTLE[®] iOn

FOREST FMS[®]
FOREST FMS[®] Plus
FOREST FMS[®] Plus Recess
FOREST FMS[®] Dual



**THE WORLD
BEHIND
YOUR
CURTAINS**

FOREST SHUTTLE® Series



When it comes to comfort, the Forest Shuttle® lives up to its expectations. Being able to open and close your curtains remotely, from the comfort of your chair, when you are on holiday, automatically at pre-programmed opening and closing times or even linked to variable sunrise and sunset times. The Forest Shuttle® is the silent force behind the opening and closing of curtains all over the world.

The Shuttle® can be fully integrated in all major home automation systems.

For maximum safety, integrated emergency control ensures manual operation of the drapery in case of power failure.

The smooth and silent running curtain track system can, in addition to remote operation, also be operated by hand. Thanks to Touch Control technology, a gentle pull on the curtain is enough to activate the motor.

COLOUR OPTIONS SHUTTLE®



White



Grey



Anthracite



Black

PRODUCT INFORMATION

The Forest Shuttle® family of motors offer the following functions:

- High quality, extremely reliable and ultra silent motor.
- Integrated RF multi receiver, for Diamond Sense Remote control or wall switch.
- Various control options: App control, Remote Control (RF), Wall Switch Domotics, Building/Hotel Automation, Serial Communication, Z-Wave etc.
- Full automatic setting of the limits.
- Programming of intermediate positions possible.
- Touch Control Technology, gently pulling the curtain by hand will activate the motor. Sensitivity adjustable (except for the Shuttle® AC).
- Integrated Emergency Control with automatic declutch in case of power failure, to ensure a manual operation of the curtains.
- Stack-back position programmable to every desired setting;
- Can be used in combination with various motorised track systems like FMS System (standard option), FMS Dual Channel system, Motorised Design System (DS-XL LED) and Motorised Rod System (MRS).
- Can be mounted on the left or the right side of the track.
- Can be used with curved Forest motorised track systems.
- Integrated Z-Wave Plus as option (only Shuttle® S/M/L).
- For Skylight System (FSS®) a special Shuttle® M motor with receiver and fixed drive is available.
- Tandem motor application possible as well.
- Upside down inverted motor mounting available.
- Variable velocity with slow start and slow stop.
- Warranty: 10 years on motor (2 years on battery pack iOn)



DECORATIVE TRACK OPTIONS

The whole range of Forest motors' are totally compatible throughout our electrically operated curtain track range including the decorative options like the DS-XL® LED motorised system and the Motorised Rod System (MRS®).



**DS-XL® LED
DESIGN TRACK**



**MRS®
MOTORISED
ROD TRACK**

SMART HOME DEMO SUITCASE

We have redesigned our demo case for motorised systems. Besides samples of our standard motorised curtain track system, FMS®, and the FMS® Plus with recess profile, you will also find the new two-channel system, FMS® Dual, and our motorised rod system, MRS®. Easily demonstrate app operation thanks to the included WiFi dongle and the Wireless Connector. All other operating modes, accessories and documentation are of course included.



FOREST SHUTTLE® SERIES

The Forest Shuttle® is offered in 5 versions. Choose which Forest Shuttle motor best suits your application integration needs:



SHUTTLE® S
24 Volt



SHUTTLE® M
24 Volt



SHUTTLE® L
100 - 240 Volt



SHUTTLE® AC
100 - 240 Volt



SHUTTLE® iOn
14,8 Volt



FOREST SHUTTLE® iOn



Our bestselling Forest Shuttle® system is also available in a wireless, battery powered version. The Shuttle® iOn is perfect for areas without nearby power points.

An extensive period of research, development and endurance testing on countless of track set-ups has resulted in the Forest Shuttle® iOn. The Shuttle® iOn's motor is fitted with an internal, removable heavy duty battery pack. Depending on the track size and curtain weight, the battery only needs to be charged 2 to 3 times per year.

You can expect the same unique functionalities as that of the wired Shuttle® L, like Touch Control technology. The motor has an integrated Multi RF receiver, allowing for operation using any Forest remote control option.

Unique in the market

The Shuttle® iOn can be used in combination with curved tracks (max. 2 bends), which is unique in the market. It fits all Forest motorised track systems, like the FMS® system, FMS® Plus recess system, MRS® motorised rod system and also the DS®-XL motorised design system.

FOR USE IN

Hotels, offices, residences, boats and yachts, showrooms or anywhere a wireless motorised track system is required for curtains and drapes.

PRODUCT INFORMATION

- Li-ion rechargeable battery pack;
- Suitable for curtains up to 25 kg and 8 meter track length (straight track);
- Suitable for bent/curved curtain tracks with up to 2 bends in, for example, bay windows;
- A single full charge will last up to 6 months;
- Available colours: white, black.



FOREST SHUTTLE® Control Options

Our wide range of controls make finding a fit for your home even easier; controlling the curtains by hand, remote or even by building automation system. With the remote you can control the curtains in any position you like. When controlling the motorised curtain system by your smartphone or tablet, you can create and schedule customised room scenes that allow your curtains to operate on their own throughout the day.



FOREST DIAMOND SENSE REMOTE

15 or 2 Channel Remote control. Control up to 15 systems individually and in group by integrated timer function or manual. Auto-On mode, when holding hand above it, the integrated LED light will automatically come on. Radio control, range up to 30 meters. Including magnetic wall support.



FOREST WI-FI DONGLE

With the Shuttle® Wi-Fi dongle, you can control your motorised curtains on your mobile device via the Forest Connect app or even by voice command with the easy integration in for example Google Home, Amazon Echo or Apple Siri without the need for an additional hub or gateway.



FOREST WIRELESS CONNECTOR

The Forest Wireless Connector is an easy way to make the motorised curtain systems 'smart'. This wireless remote solution works in combination with an timer or smart plug with services such as Apple HomeKit or Google Assistant or Amazon Alexa become available. With the Forest Smart Plug it is possible to control by the Forest Connect app. The Wireless Connector is also easily incorporated into most popular building management systems, including dry contact controls.



BUILDING AUTOMATION / HOTEL CONTROL

The Forest Shuttle® can be connected to any Building Automation system, by relay control.

SMART DEVICE CONNECTIVITY



Configure the right motorised curtain track system in a few steps.

	Shuttle S/M/L	Shuttle S/M/L with Z-Wave	Shuttle iOn	Shuttle AC	Forest Connect app	Google Home	Apple Homekit	Amazon Alexa	Google Assistant	Apple Siri	Voice control
Forest Wireless Connector One way transmitter to control curtains by third party apps or by Domotics. (433Mhz)	●		●		● ¹	● ¹	● ²	● ¹	● ¹	● ¹	● ¹
Forest Wi-Fi Dongle in combination with Forest Connect app	●	●			●	●		●	●	●	
Smartwares Controller in combination with HomeWizard lite app (433 Mhz)	●		●					●			
Homey in combination with Homey app	●	●	●			●	●	●	●	●	
FIBARO System in combination with FIBARO Home Center app		●		● ³		●	●	●	●	●	
Samsung SmartThings Hub in combination with Samsung SmartThings app		●				●	●	●	●	●	
230 Volt hard-wired building management system	● ⁴			●							

1) In combination with Forest smart plug

2) In combination with Apple Homekit smart plug

3) Only with FIBARO Roller Shutter 3 / Walli Roller Shutter

4) In combination with an AC Control Set

FOREST SHUTTLE® WORKS WITH



* Only works with an actor.

Forest Shuttle® is compatible with many other Building Automation systems, thanks to its modular construction. A competitive advantage over other motorised drapery systems in the world!

FOREST MOTORISED TRACK SYSTEM - FMS®



The Forest Shuttle® and the Forest motorised curtain track system (FMS®) make an unbeatable combination when it comes to noiseless operated curtains.

The FMS® System is an elegant system for all types of medium and heavyweight draperies. Available in one piece length of 7 metres. Can be extended up to 14 metres. Available in 5 colours: white, matt white, black, matt black or grey, making it suitable to fit in every design.

FMS® PLUS AND RECESS FIXATION

Instead of a regular ceiling fix or wall fix installation of the FMS® track system, we also offer a solution for a recess fixed motorised curtain track. The FMS® Plus system is ideal for a clean, concealed curtain track installation. The FMS® Plus track and recessed profile are installed after the ceiling has been plastered and finalised. Because the recess profile is coated, the stucco does not adhere to the profile, which can cause cracks. Therefore, we strongly recommend installing the recess profile over the stucco. The motor can be placed in a regular position, or upside down into the ceiling. The system can be fitted with the regular FMS® carriers, rotating carriers or the Forest Wave System for wave pleat.

FOR USE IN

Hotels, offices, residences, boats and yachts, showrooms, business meeting rooms, conference centers or anywhere a silent motorised track system is required for curtains and drapes.

PRODUCT INFORMATION

- Compact and noiseless operated motorised track system.
- All Shuttle® motors can be used on the FMS® System.
- Available in white, matt white, grey, black and matt black.
- Components in matching colours.
- Clickable off-set carriers for a straight heading of the curtain; roller bearing carriers and Easyflex carriers also available.
- Especially designed for use in combination with Forest Wave System.
- Motor can be mounted on the left or the right of the track.
- One-way draw or center (split) draw curtains possible.
- All KS® bracket compatible.
- Ceiling brackets and wall brackets available.
- FMS® track can be made in lengths of up to 14 meter.
- FMS® track can be curved / bent.
- Recess fixation possible by recess profile in combination with FMS® Plus track.
- Warranty: 10 years.

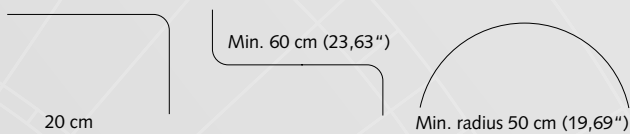
FMS® DUAL **NEW!**

The FMS® Dual System is the new standard for the hotel industry when it comes to motorised curtain tracks. The FMS Dual is a unique motorised two channel curtain track system. Only one Shuttle motor is required to operate two channels. This system is designed to create an overlap that prevents light from entering the room. Thanks to the two channels, it is possible to adjust the overlap to any position. Ideal for hotels where guests arrive during the day after a long journey and want to rest first. The FMS® Dual ensures that the hotel room is completely darkened and no

disturbing rays of light enter the room. The Dual system is easy to mount on the ceiling thanks to pre-drilled holes and additional carriers can easily be added later after the track has been fixed to the ceiling. In addition to single/double pleated curtains, the wave pleat can be applied via our FES® system.

BENDING / CURVING

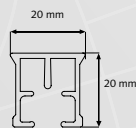
The FMS® track and FMS® Plus track (except recess profile) can be bent and reversed bent with a radius of 20 cm (8"). Continuous curving can be bent and reverse bent with the Electric Powered Bender.



PROFILE

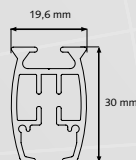
FMS® Track

- Weight 303 gr/mtr.
- Size 20 x 20 mm
- Aluminium extrusion
- Colours available: white, matt white, grey, black & matt black



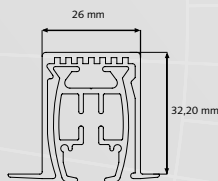
FMS® Plus Track

- Weight 500 gr/mtr.
- Size 19,6 x 30 mm
- Aluminium extrusion
- Colours available: white, black & matt black



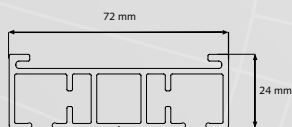
FMS® Plus Recess Profile

- Weight 555 gr/mtr.
- Size 26 x 32,20 mm
- Aluminium extrusion
- Colours available: white & matt black



FMS® Dual

- Weight 1,11 kg/mtr.
- Size 72 x 24 mm
- Aluminium extrusion
- Colour available: white & matt black



FOREST FMS® TRACKS

The FMS® track system is in four versions available:

FMS® TRACK



FMS® PLUS



RECESS PROFILE WITH FMS® PLUS TRACK



FMS® DUAL (FOR BLACKOUT)



G = Gloss
M = Matt



- 1 Shuttle® Motor
- 2 Motor Pulley
- 3 FMS® Track
- 4 FMS® Return Pulley
- 5 FMS® Glider
- 6 FMS® Master Carrier Underlap
- 7 FMS® Master Carrier Overlap
- 8 Stiffener Small

