SHUTTLE® MOTOR COMPARISON CHART

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	SHUTTLE® HD (M)	SHUTTLE® ECO (S)	SHUTTLE® L
SPECIFICATIONS			
VOLTAGE SHUTTLE	24V DC	24V DC	100-240V, 50-60Hz 0.8A
RECEIVER	Internal, optional	Internal	Internal
POWER SUPPLY	External, 100-240V AC - 1.5A, 50-60Hz; Output 24V DC - 2.7A	External, 100-240V AC - 0.8A, 50-60Hz; Output 24V DC - 2.5A	Internal
MAX POWER	65W	40W	40W
TORQUE	1.5 Nm	1.0 Nm	1.0 Nm
TRAVEL SPEED	5.5" per second standard 7" per second maximum	5.5" per second standard 7" per second maximum	5.5" per second standard 7" per second maximum
NOISE LEVEL	< 40 dB(A)	< 40 dB(A)	< 40 dB(A)
MAXIMUM WEIGHT	160 lbs per motor 120 lbs per motor - curved track	100 lbs per motor 90 lbs per motor - curved track	100 lbs per motor 90 lbs per motor - curved track
DIMENSIONS	2.76" x 1.97" x 9.5"	2.76" x 1.97" x 7.5"	2.76" x 1.97" x 11"
CERTIFICATIONS/MARKINGS	CE/FCC/DOE	CE/FCC/DOE	CE/FCC/DOE
COLOR OPTIONS	White / Black	White	White
FEATURES			
TOUCH CONTROL TECHNOLOGY	√	√	√
INTEGRATED EMERGENCY CONTROL	√	√	√
RF COMMUNICATION STANDARD	√	√	√
Z-WAVE COMMUNICATION	-	-	√
AUTOMATION SYSTEM COMPATIBLE	√ using RS485 & dry contacts	√ using RS485 & dry contacts	√ using RS485 & dry contacts
WI-FI COMPATIBLE	√	√	√
WORKS WITH DS-XL LED DIMMER	√	√	√
WORKS WITH WIRELESS CONNECTOR	√	√	√
CAN BE USED WITH CURVED TRACK	√	√	√
PLUG & PLAY	√	√	√
WARRANTY	10 Years	10 Years	10 Years

	SHUTTLE® iOn
SPECIFICATIONS	
VOLTAGE SHUTTLE	14.8V DC
RECEIVER	Internal
BATTERY	Lithium iOn battery + charger (3-4 months between charges)
MAX POWER	30W
TORQUE	1.0 Nm
TRAVEL SPEED	5.5" per second standard
NOISE LEVEL	< 40 dB(A)
MAXIMUM WEIGHT	55 lbs per motor 40 lbs per motor - curved track
DIMENSIONS	2" x 3" x 12.25"
CERTIFICATIONS/MARKINGS	CE/FCC/DOE
COLOR OPTIONS	White
FEATURES	
TOUCH CONTROL TECHNOLOGY	√
INTEGRATED EMERGENCY CONTROL	√
RF COMMUNICATION STANDARD	√
Z-WAVE COMMUNICATION	-
AUTOMATION SYSTEM COMPATIBLE	√ using RS485 & dry contacts
WI-FI COMPATIBLE	√
WORKS WITH DS-XL LED DIMMER	√
WORKS WITH WIRELESS CONNECTOR	√
CAN BE USED WITH CURVED TRACK	√
PLUG & PLAY	√
WARRANTY	10 Years on motor 2 years on battery pack

Our wide variety of control options make finding a fit for your windows easy – controlling the drapes by hand, wall switch, remote or even by home automation system. Controlling the motorized system with your smart phone or tablet, you can create and schedule customized room scenes that allow your drapes to operate on their own throughout the day no matter where you are.

TOUCH CONTROL
Open or close your drapes with a gentle tug.

FOREST WALL SWITCH
2-channel wall switch, wireless.
Can be used with all Forest Shuttle motors.

FOREST DIAMOND SENSE REMOTE
15-channel remote controls up to 15 motors individually and together, with a timer or manually.
Range up to 98 feet.
Wall mounted holder included.

FOREST WIRELESS CONNECTOR
With the Wireless Connector make your new or existing Shuttle motorized drapery system "smart". Add a smart plug and use with Apple Homekit, Google Assistant, or Amazon Alexa.

FOR ADDITIONAL CONTROL OPTIONS, SEE THE ROADMAP ON THE FOLLWING PAGES

FOREST MOTOR CONTROLS ROADMAP

FOREST MOTOR CONTROLS ROADMAP

HOW DO YOU WANT TO CONTROL YOUR DRAPERY?

Remote Control
and/or Wall Switch

RF

- ☑ **Shuttle** ☑ S ☑ M ☑ L ☑ iOn
- ☑ **Diamond Sense Remote**
- ☑ **Wall Switch**
- ☐ WiFi dongle
- ☐ Wireless Connector
- ☐ Forest smart plug
- ☐ Smart plug third party
- ☐ External RF Multi receiver
- ☐ RJ 45 plug
- ☐ AC Control Set

Voice Control
a smart speaker or smartphone is required

Google Assistant · Apple Siri Commands · Amazon Alexa

With feedback current status	Without feedback current status
WiFi	RF
☑ **Shuttle** ☑ S ☑ M ☑ L ☐ iOn	☑ **Shuttle** ☑ S ☑ M ☑ L ☑ iOn
☑ Diamond Sense Remote	☑ Diamond Sense Remote
☑ Wall Switch	☑ Wall Switch
☑ **WiFi dongle**	☐ WiFi dongle
☐ Wireless Connector	☑ **Wireless Connector**
☐ Forest smart plug	☑ **Forest smart plug**
☐ Smart plug third party	☐ Smart plug third party
☐ External RF Multi receiver	☐ External RF Multi receiver
☐ RJ 45 plug	☐ RJ 45 plug
☐ AC Control Set	☐ AC Control Set

App-control
local and remote

With feedback current status	Without feedback current status
WiFi	RF
Forest Connect app	Connect SmartThings and Bond Bridge directly without extras (examples)
Works also with apps: Google Home, Amazon Alexa	Apple HomeKit only possible with Wireless Connector and Apple HomeKit smart plug
☑ **Shuttle** ☑ S ☑ M ☑ L ☐ iOn	☑ **Shuttle** ☑ S ☑ M ☑ L ☑ iOn
☑ Diamond Sense Remote	☑ Diamond Sense Remote
☑ Wall Switch	☑ Wall Switch
☑ **WiFi dongle**	☐ WiFi dongle
☐ Wireless Connector	☑ **Wireless Connector**
☐ Forest smart plug	☐ Forest smart plug
☐ Smart plug third party	☑ **Smart plug third party***
☐ External RF Multi receiver	☐ External RF Multi receiver
☐ RJ 45 plug	☐ RJ 45 plug
☐ AC Control Set	☐ AC Control Set

* Third party smart plugs are not available from Forest.

Wired Building Automation System
Attention: always consult an installation specialist

Data cable close to the motor? NO		Data cable close to the motor? YES	
Without feedback	Without feedback	Without feedback	With feedback
110 Volt - with power RF - no power (examples)	110 Volt + control wires	110 Volt Continuos Voltage + data cable. Potential free	110 Volt Continuos Voltage + data cable. RS232/RS 485
☑ **Shuttle** ☑ S ☑ M ☑ L ☑ iOn	☑ **Shuttle** ☑ S ☑ M ☑ L ☐ iOn	☑ **Shuttle** ☑ S ☑ M ☑ L ☐ iOn	☑ **Shuttle** ☑ S ☑ M ☑ L ☐ iOn
☑ Diamond Sense Remote	☑ Diamond Sense Remote	☑ Diamond Sense Remote	☑ Diamond Sense Remote
☑ Wall Switch	☑ Wall Switch	☑ Wall Switch	☑ Wall Switch
☐ WiFi dongle	☐ WiFi dongle	☐ WiFi dongle	☐ WiFi dongle
☑ **Wireless Connector**	☐ **Wireless Connector**	☐ Wireless Connector	☐ Wireless Connector
☐ Forest smart plug	☐ Forest smart plug	☐ Forest smart plug	☐ Forest smart plug
☐ Smart plug third party	☐ Smart plug third party	☐ Smart plug third party	☐ Smart plug third party
☐ External RF Multi receiver	☐ External RF Multi receiver	☐ External RF Multi receiver	☐ External RF Multi receiver
☐ RJ 45 plug	☐ RJ 45 plug	☑ **RJ 45 plug**	☑ **RJ 45 plug**
☐ AC Control Set	☑ AC Control Set	☐ AC Control Set	☐ AC Control Set

somfy
Existing Somfy System

RTS	IO		
Power available close to motor? YES	Power available close to motor? YES	Power available close to motor? NO	
Without feedback	Without feedback	Without feedback	
☑ **Shuttle** ☑ S ☑ M ☑ L ☐ iOn	☑ **Shuttle** ☑ S ☑ M ☑ L ☐ iOn	☑ **Shuttle** ☐ S ☐ M ☐ L ☑ iOn	
☑ Diamond Sense Remote	☑ Diamond Sense Remote	☑ Diamond Sense Remote	
☑ Wall Switch	☑ Wall Switch	☑ Wall Switch	
☐ WiFi dongle	☐ WiFi dongle	☐ WiFi dongle	
☐ Wireless Connector	☑ **Wireless Connector**	☑ **Wireless Connector**	
☐ Forest smart plug	☐ Forest smart plug	☐ Forest smart plug	
☑ **Somfy Ext. receiver**	☑ **Smart plug Somfy***	☑ **Smart plug Somfy***	
☐ External RF Multi receiver	☐ External RF Multi receiver	☐ External RF Multi receiver	
☐ RJ 45 plug	☐ RJ 45 plug	☐ RJ 45 plug	
☐ AC Control Set	☐ AC Control Set	☐ AC Control Set	

* Somfy smart plugs are not available from Forest.

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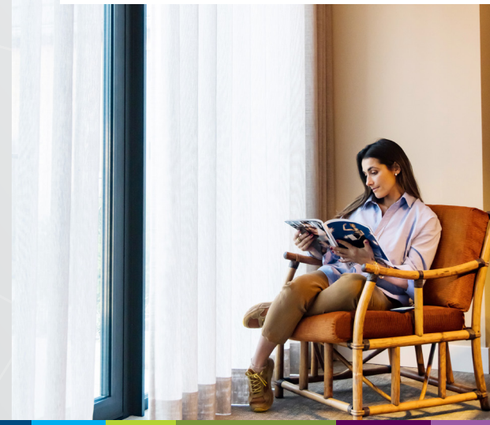
DECIDE HOW TO CONTROL YOUR DRAPES IN JUST A FEW STEPS



FOREST DRAPERY HARDWARE

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