



# MOTOR MANUAL

**STM-930240VAC (24VDC)**



**Note: Check our website for the latest version of this manual**

**Super Target Middle East**

[www.supertargetmiddleeast.com](http://www.supertargetmiddleeast.com)

## Overview

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Our new target retrieval motor is designed specifically to operate a Target Retrieval System, with high speed and high power both intelligently controlled. It is equipped with an intelligent electronic itinerary with self-debugging settings, overload protection and soft start-stop functions that help maintain a long life for the motor and for the rest of the track components. The slow start and slow stop design reduces the shocks in the belt and gear system. The motor can be operated in dual modes: wireless and wired. It features conventional wireless receiver function built-in, compatible with the full range of STM wireless remote controllers. It can also be operated via a wired remote control via the dry contact port using standard RJ9 phone cable and connectors.

**Motor Smart Features:** Overload Protection, Soft Start- Stop, Dual Limit Settings, Dual Mid-Range Stops, Self-Learning Range Limits, Touch Control, Wireless (6 channels) and Wired Control

**Specifications:** Power: 240VAC (24VDC also Available), Torque: 1.2Nm, Speed: ~0.5m/s (self-adjusting depending on load)

### Important:

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1. The motor is designed for indoor use. If intended to be used in an outdoor range, adequate rain and temperature protection must be implemented.
3. Periodic use of a general-purpose lubricant is recommended, depending on the frequency of motor usage.

## Motor Installation

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1. Ensure the motor locking knob is to the left
2. Insert the motor into the driver box
3. Push to the right the locking knob and lock the motor in place



## Motor removal

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1. Pull down the locking knob, then push to the left side.
2. Take out the motor.



## Basic operations

1. The motor will make relevant actions when you press [GO], [BACK], [STOP] button on a basic wired controller or wireless controller.
2. The motor will stop automatically at each end of the rail thanks to its overload protection feature. However, electronic limits (stops) can be set only via wireless remote controller, at each end of the rail for smoother operation and less mechanical vibration which happens when the target holder hits the end of the rail.
3. The Target Holder can be stopped at any point by pressing the [STOP] button
- 4.Attention:** Pulling the Target Holder freely by hand while motor is powered will automatically start the motor in that respective direction.



Typical Wireless Remote



Email: [sales@supertargetmiddleeast.com](mailto:sales@supertargetmiddleeast.com)

Website: [www.supertargetmiddleeast.com](http://www.supertargetmiddleeast.com)