



dji Action 2 RM Expansion Module User Guide


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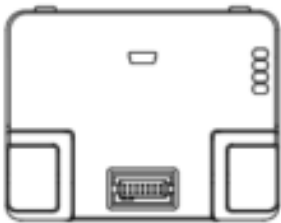
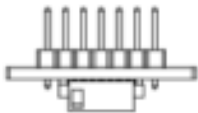


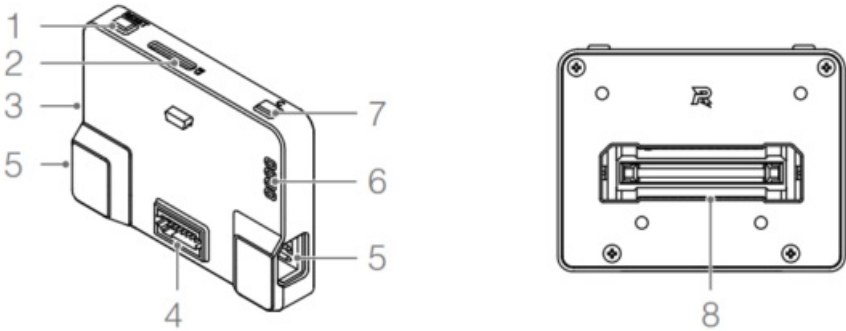
RM EXPANSION MODULE Quick Start Guide

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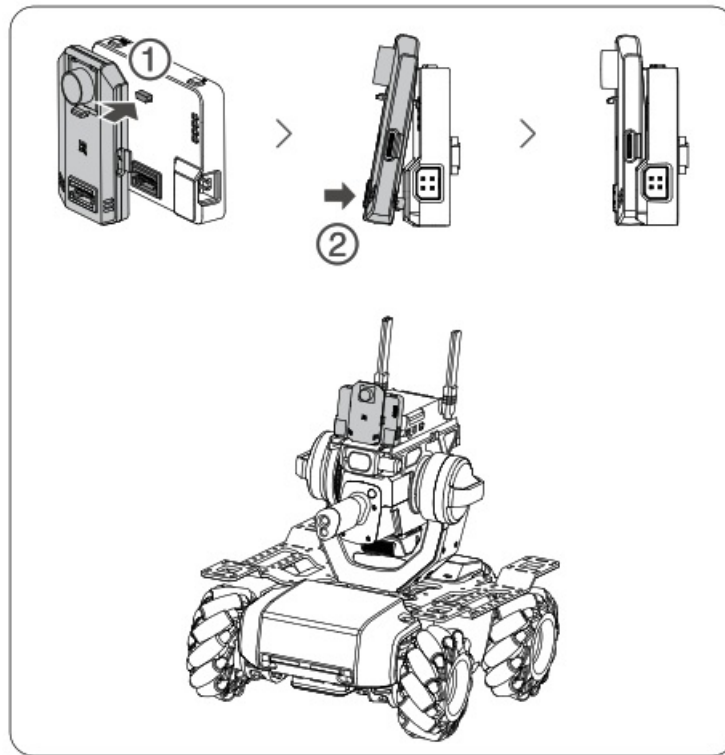
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 Carefully read this entire document and all safe and lawful practices provided before use.

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Expansion Module		Pin Header	CAN Cable
			Doubl



1. Reset Button
2. microSD Card Slot
3. Micro USB Port
4. 14-Pin Expansion Port
5. CAN BUS Port
6. LED Indicator
7. Customizable
8. 100-Pin Button Expansion Port



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Introduction

The RM Expansion Module can be used with the AI Education Set when mounted on a ROBOMASTER™ EP. Users can use Rogram in the DJI™ Education Hub to program with blocks or Python SDK to create a wide range of AI applications with a RoboMaster EP. The RM Expansion Module can also function as an open-source main controller after being connected to a third-party sensor via its 14-pin expansion port, thus linking it to the RoboMaster EP platform to enable more programming applications.

Usage

Attach the core module of the AI Education Set to the Expansion Module, then mount it on the RoboMaster EP.

1. Align the notches on the core module and the RM Expansion Module and attach them together. Then align their 14-Pin expansion ports and press them firmly together.
2. Use the CAN cable to connect the CAN Bus port of the Expansion Module with any CAN Bus port of the RoboMaster EP. Then use the double-ended micro USB cable to connect the Micro USB port of the Expansion Module with the Micro USB port of the Intelligent Controller on the RoboMaster EP. Secure the Expansion Module in place on the RoboMaster EP via the screw hole (M3) on the bottom of the module. After the devices are connected, the user can obtain detection results and program the robot using Python SDK or the DJI Education Hub Rogram Editor to execute various AI applications.

 Refer to the AI Education Set User Manual and RM Expansion Module User Manual for details.



For more information, read the
User Manual: <https://www.dji.com/ai-module/downloads>

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Documents / Resources


RM EXPANSION MODULE

Quick Start Guide
ENGLISH
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Model	Weight	Dimensions	Max. Speed
RM Expansion Module	150g	100mm x 100mm x 100mm	10m/s





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Action 2 RM Expansion Module, Action 2, RM Expansion Module