



# ROBOTIC CART THOUZER

## THOUZER-BASIC

### SIMPLE IMPLEMENTATION

Easy to use  
Affordable price  
Fast deployment time

### WORK IN MANY CONDITIONS

Bumps and slope  
Day and night  
Light rain

### PLUG & PLAY SOLUTION

No Wi-Fi required  
Button operation only  
No complicated software

### TWO NAVIGATION FUNCTIONS IN ONE

#### Autonomous Memory Trace®

- Easily perform route memorization by maneuvering THOUZER
- Start autonomous playback with a single button press
- Store up to 5 routes with multiple intermediate stops
- Ideal for routine tasks with fixed destinations



#### Collaborative Follow-Me

- Simply stand in front of THOUZER and press a button to start instantly
- No tracking device required
- Obstacles avoidance feature
- Perfect for non-routine tasks

### THOUZER BASIC IMPLEMENTATION



Scale up productivity by using multiple THOUZERS in convoy

Maximize THOUZER's capability by towing your cart, special-purpose dollies and even pallets

THOUZER Follow-Me increases the operator productivity instantly

Set up autonomous goods transportation routes easily using Memory Trace®

Set THOUZER to run continuously in a looped route

Set multiple stops along the route



## PRODUCT SPECIFICATION

PRODUCT MODEL		THOUZER MINI (RMS-05B2)	THOUZER STANDARD (RMS-10B2)	THOUZER GIANT (RMS-15B2)
DIMENSIONS	Robot Dimension	450 mm (W) x 485 mm (L)	600 mm (W) x 950 mm (L)	700 mm (W) x 1180 mm (L)
	Loading Platform	450 mm (W) x 330 mm (L)	600 mm (W) x 750 mm (L)	700 mm (W) x 1000 mm (L)
	Platform Height	295 mm	455 mm	455 mm
PAYLOAD	Payload	60 kg	120 kg	300 kg
	Towing Capacity	150 kg	300 kg	600 kg
SPEED & MOBILITY	Max Speed	5.5 km/h (FM) 3.6 km/h (MT)	7.5 km/h (FM) 3.6 km/h (MT)	
	Min Radius of Rotation	~0.36m	~0.72m	~1.0m
	Max Slope Gradient	6 degrees (maximum payload)		
	Max Step Traversing	3 cm (edge 45°)		
NAVIGATION	Navigation Modes Availability	Follow-Me Memory Trace® (maximum 5 routes)		
POWER	Battery (Lead-acid)	2x 12V 22Ah	2x 12V 34Ah	2x 12V 75Ah
	Battery Run Time (Distance)	Up to 15 km (Full Charge)	Up to 20 km (Full Charge)	
	Charging Time	Approximately up to 8 Hours (0% - 100%)		
PROTECTION	IP Class	N/A	IPX2	
SENSOR & SAFETY SYSTEM	LiDAR Sensor (Class 1 safety) Specification	Memory Trace Range (30m) Height (~30cm) FOV (320°)		Memory Trace Range (30m) Height (~30cm) FOV (270°)
	Safety Features	Obstacle Detection Emergency Stop Button (Front), Bumper Switch Alarm Device (Sound)		



**THOUZER MINI (RMS-05B2)**



**THOUZER STANDARD (RMS-10B2)**



**THOUZER GIANT (RMS-15B2)**

### You can do it yourself with these accessories

For charging using portable power station

For securing goods on platform

For towing trolley/cart

Standard towing jig

Towing metal bracket

Cargo retention plate

On-board charging cable

*※ Standard accessories item 1,2,3,4 will be included with purchased of all RMS-05B2, RMS-10B2 add RMS-15B2*

### Set up tutorial



Doog provide video tutorial on every steps from unboxing, complete assembly and operation of THOUZER BASIC.

Please check on the QR code for the link on how-to-setup video tutorial playlist



**Video Tutorial**

### Notes

- ※1 BASIC model has limited customization option. If you need any sorts of customization, please refer to THOUZER E-SERIES model
- ※2 Memory Trace for BASIC model will only work in stable environment. For highly dynamic environment, please refer to THOUZER E-SERIES model
- ※3 BASIC model has towing capability; however, it cannot be used to tow trolley with only free wheels. Further customization is required
- ※4 There are limitation to this product. Please read through the product instruction manual to understand on how to operate safely



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