

## OVERVIEW

The AB Dynamics LaunchPad is a compact powered platform designed to carry Vulnerable Road User (VRU) targets for ADAS development and testing. With a maximum speed of 50kph and full path-following capability, it can be used with pedestrian, cyclist and moped dummies. Using AB Dynamics' advanced Synchro capabilities allows for its motion to be precisely synchronised with the test vehicle and other ADAS targets.



## ADVANTAGES

- Compatible with a range of official Euro NCAP VRU targets
- Self-propelled path-following platform for total test flexibility
- 4-wheel-drive 4-wheel-steer for ultimate manoeuvrability
- Onboard D-GPS motion pack and Synchro system
- Rapid Battery Swap system via side ramps – no need to remove the target
- Ultra low-profile (65mm) and shallow sloping sides for low radar return and smooth over-run



## SPECIFICATIONS

<b>Dimensions</b>	970mm long x 875mm wide x 65mm tall
<b>Weather resistance</b>	Fully sealed electronics, waterproof to IP66
<b>Maximum speed</b>	50kph
<b>Max longitudinal acceleration</b>	4m/s <sup>2</sup>
<b>Payload</b>	Pedestrian, cyclist, moped, animal. Maximum 15kg
<b>Batteries</b>	Twin high-capacity LiFePO4 battery packs, Rapid Battery Swap system

## SOFTWARE

Includes AB Dynamics RC Software, path-following and Synchro interface

At the heart of the LaunchPad platform is a Power controller running AB Dynamics' industry-standard Robot Controller RC Software. An onboard TrackFi radio shares position data with other AB Dynamics controllers via the Synchro interface. Programming the trajectory of the Launchpad is simple thanks to the graphical path generation utility. Complex scenarios with multiple moving objects can be created and run quickly and easily.



**Synchro**

Multi-Object  
Communication



Guided Soft Target



Driving Robots



LaunchPad

**100% of Euro NCAP test laboratories use  
AB Dynamics equipment for ADAS testing**

### GET IN TOUCH

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