

Communication Protocol

Data transmission between Mower and App over BT uses a tailor-made protocol, enabling fast and precise decisions and actions. Every data frame will consist of 6 bytes of data.

Unit	A/M Drive	Command	Position X	Position Y	Collision
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Unit: In order to determine from which unit the data originates from, a byte with unit address is needed.

A/M Drive: Autonom/Manual Drive byte determines the mode the Mower should run in. The Mower will always start in Autonom mode.

Command: Specifies which direction the Mower should go.

Position X: X coordinates of the Mowers position.

Position Y: Y coordinates of the Mowers position.

Collision: Marks if a collision has occurred.

Unit	Address of which unit data frame comes from. 0x00 – Mower 0x01 – App
A/M Drive	Autonom/Manual Drive 0x00 – Manual Drive Mode (Mower always start in this mode) 0x01 –Autonom Drive Mode
Command	Command 0x00 – Stop 0x01 – Forward 0x02 – Backward 0x03 – Right 0x04 – Left
Position X	Position X Number between 0-255 (0x00 – 0xFF). Mower starts at 127 (0x7F)
Position Y	Position Y Number between 0-255(0x00-0xFF). Mower starts at 127 (0x7F)
Collision	Collision True/False 0x00 – False 0x01 – True