

ADROIT® REMOTE OPERATOR CONTROL KIT (ROCK)

REMOTE CONTROL AND
POWER SOURCE FOR
ADROIT® SYSTEMS



Add an ADROIT® manipulator to any remote platform with HDT's Remote Operator Control Kit (ROCK). A self-contained applique kit that provides power and wireless control for HDT's line of manipulators, the ROCK also supports other TCP/IP payloads, without any additional logical or electrical integration. The ROCK's Operator module includes a rugged tablet for displaying video and a wireless video-game style controller for commanding the manipulator.

KEY FEATURES

- 915 MHz radio link
 - 250 ft functional range for non line of sight (NLOS) operation
 - 2,000 ft range for line of sight (LOS) operation
 - Up to 50Mbps of bandwidth
 - Support for point-to-point and mesh networks
- 10/100Base-T local network
 - Option to upgrade to 1000Base-T local network
 - Three (3) ports standard, combined data and power
 - Option for up to seven (7) ports, combined data and power
- Option to add support for serial (RS-232, RS-485, RS-422) or CAN data buses
- Powered from BB-2590 batteries
 - Seven (7) hours of operation
 - Three (3) hours of operation (typical) for an HDT Manipulator
- Option for tethered power 18-36VDC
- Fits in an operator's backpack
- Mounting kits available for common robots



Wireless control system allows easy mounting of an Adroit manipulator arm to most robot chassis.

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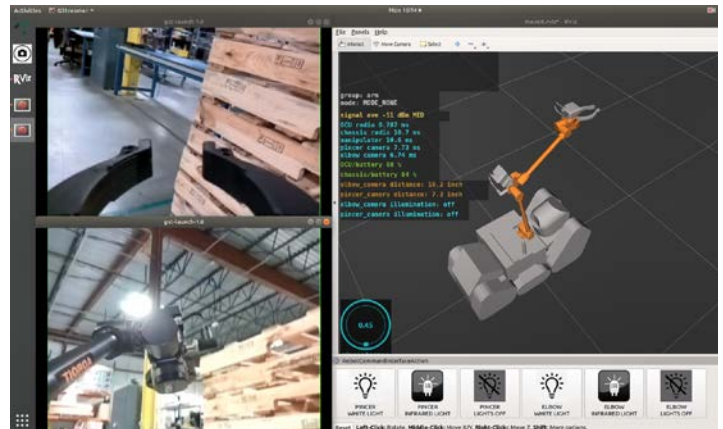
ORDERING INFORMATION

	ROCK Remote Operator Control Kit	ROCK Remote Operator Control Kit with Adroit Manipulator Arm
HDT Part Number	805-H035006	805-H035007
Dimensions (L x W x H)		
Chassis Side Module (with mounting plate, height without vertical antenna)	33.5 x 20.3 x 15 cm	Dependent on Adroit arm configuration
Operator Side Module (not including tablet and joystick)	24.6 x 17.9 x 16 cm	Dependent on Adroit arm configuration
Mass (kg) – without batteries		Dependent on Adroit arm configuration
Chassis Side Module (with mounting plate)	4 kg	Dependent on Adroit arm configuration
Operator Side Module (not including tablet and joystick)	4.3 kg	Dependent on Adroit arm configuration

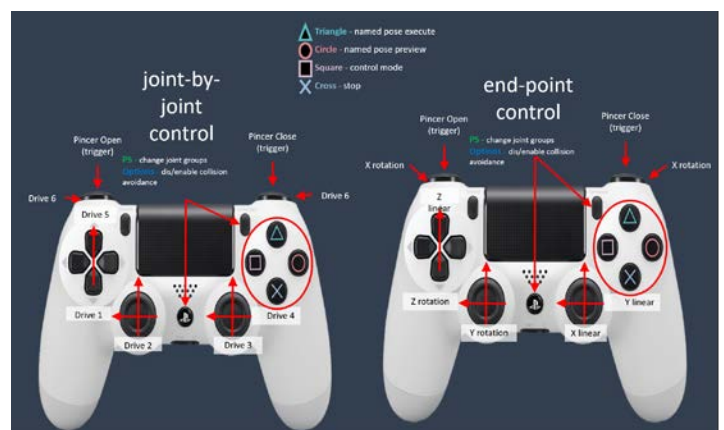
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Operator and Chassis modules.



Multiple camera views (cameras optional), and virtual view of arm position can be displayed on the system's rugged tablet.



Intuitive end-point control via commercial controller.

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NON-EXPORT CONTROLLED INFORMATION

Revision 2 11-2023 03-01-01-0546