

telemax™ UGV SYSTEM PERFORMANCE UPGRADES

UNLOCK THE FULL POTENTIAL OF YOUR TELEXAS UGV

We continually strive to improve our advanced ground robotics systems with the latest technology to meet the expanding needs of our customers, but we understand that purchasing new equipment can be cost prohibitive. Enhance the value of your telemax UGV by upgrading to the latest EVO System hardware and software to unlock advanced control, improved connectivity and increased productivity. This new performance upgrade includes Robo Command, an intuitive multi-touch screen operating controller, and a fully optimized radio system with integrated IP mesh radio. This feature ensures stable radio connectivity in complex urban environments with excellent network coverage and range that can be extended by using additional repeaters. The EVO upgrade also includes an advanced onboard CPU that will improve the UGV's system performance and functionality, increasing the robot's longevity to meet your needs today, tomorrow and beyond.

In addition to the technological developments, upgrading to the telemax EVO system unlocks multi-robot operation. The controller unit, communication unit and radio components are now interchangeable within a telemax robot fleet and can be operated alternately with Robo Command.

EVO UPGRADE BENEFITS



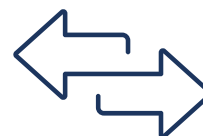
ROBO COMMAND

Cutting edge control station allows a uniform operating concept for the EOD robot tEODor EVO and all of the telemax EVO family



ADVANCED CONNECTIVITY IP MESH RADIO

Greater reliability and increased availability with higher performance and improved efficiency



BACKWARDS, CROSS, FUTURE COMPATIBLE

Backwards compatible, cross compatible and, most importantly, future proof compatibility

- » Simplified intuitive controls
- » 1/3 size of legacy Pelican case
- » Electronics are the size of a [icon] box & can be easily removed for integration
- » Dedicated wall power supply—can also run off a dedicated BB2590 lithium-ion rechargeable battery
- » Large touch screen controller with 4 camera DiD View
- » High-Definition Multimedia Interface (HDMI) Output
- » Removable USB stick records video & static images, providing ease of review and secure chain of custody of the video as evidence
- » Displays network status on controller
- » Antennas mount to radio instead of extra cabling

- » Integrated 2-way audio
- » Optional repeaters can be added to extend range
- » Single radio for command & control along with video data
- » Modular radio design (quick release module) DTC Netnode or Persistent Systems MPU5
- » Transparent Ethernet option for sensor integration such as X-Ray and HAZMAT sensors
- » P/T HD camera with 30x optical zoom becomes an option [icon] port

- » Accessory cameras
- » Repeaters as long as same DTC or MPU5 radio is used
- » Inspection camera
- » Multiblock
- » Energetic tools
- » Mini12g, Demimod, Benelli m4 super 90, PAN, lance, RE70, Needle, Prop arms 20RC, Prop arms 29 RC, ABL 2000, ABL 3000
- » Compatibility with future additions such as the 360-degree [icon] along with other new products

BENEFITS

WHY UPGRADE YOUR CURRENT TELEMATX UGV SYSTEM?

- » **Higher Productivity:** Improved performance will extend the functionality and life of your system
- » **Improved Quality:** Legacy equipment can be upgraded with improvements in security, reliability and performance
- » **Cost:** Provides a flexible and affordable path to transition to the latest technologies
- » **Ease of Use:** Our highest priority is to make our UGVs as intuitive as possible with our Robo Command Controller
- » **Multi-Robot Operation:** Enables interchangeability within a robot fleet—controller unit, communication unit and radio components

UPGRADE PACKAGES

EVO SYSTEM UPGRADE PACKAGES FOR YOUR CURRENT SYSTEM CONFIGURATION

DESCRIPTION	DIGITAL* (QTY)	PHASE 3** (QTY)	PHASE 4*** (QTY)	MPU5 (QTY)
Robo Command w/o radio	1	1	1	1
Battery for Robo Command	1	1	1	1
Case, foam, labels, accessories for telematx EVO	1	1	1	1
Chassis upgrade kit for telematx EVO	1	1	1	1
Manipulator upgrade kit for telematx EVO	1	1	1	1
Labor and training	1	1	1	1
Omnidirectional antenna 2.0-2.5 GHz 4dBi N(m)	2	2	2	3
IP Mesh radio module for Robo Command	1	1		
Vehicle radio transmitter, IP Mesh for telematx EVO	1	1		
Robo Command IP Mesh without radio			1	
Telematx EVO IP Mesh without radio			1	
Radio MPU 5 2.2-2.5 GHz Robo Command				1
Vehicle radio transmitter MPU 2.2-2.5 GHz telematx EVO				1

*Telematx robots with a serial number under 264 are currently digital radios. See Digital column for upgrade components.

**Telematx robots with a serial number 264-340 are currently Phase 3 radios. See Phase 3 column for upgrade components.

***Telematx robots with a serial number over 340 are currently Phase 4 radios. See Phase 4 column for upgrade components.

Any serial number can upgrade to the MPU5 radio

CONTACT

HERE'S HOW TO GET STARTED!

Contact AeroVironment Business Development for more information and pricing // Email: UGVsalesUS@avinc.com

Please provide the serial number of the robot you are upgrading. The serial number can be located on the back of the chassis in the right hand corner.