

RAZORGAGE

POSITIONERS • SOFTWARE • SYSTEMS

Transition from Android to Windows on xT and Android ST

Reliable Android tablets have become prohibitively expensive and Bluetooth communication has been unreliable for some customers so we replace that combo with a networkable Windows PC & USB to MDrive adapter cable. This PC runs the feature rich RGST software offering more features and on which AutoList can be enabled. Here are the parts required to upgrade a RazorGage xT as of 3/13/2025. Ask for a quote for current pricing.

QTY	PART#	DESCRIPTION	PRICE	EXT PRICE
1	RGX00681	IMS COMMUNICATION ADAPTER FOR MDRIVE	\$405.00	\$405.00
2	RGX01300	RazorGage Assembly Labor	\$150.00	\$300.00
1	RGX02599	Windows 10 All In One PiPO PC	\$310.00	\$310.00
1	RGX02600	Mounting Plate for PIPO Mini PC	\$39.00	\$39.00
1	RGX02685	PIPO SOFTWARE FOR RAZORGAGE XT	\$50.00	\$50.00
		TOTAL		\$1,104.00



If you would like a larger display, we offer the option to step up to a 10" Windows tablet. If you opt to upgrade to AutoList, the 10" tablet is definitely the way to go. Here are the parts required to upgrade a RazorGage xT to a 10 inch tablet as of 3/13/2025. Ask for a quote for current pricing.

QTY	PART#	DESCRIPTION	PRICE	EXT PRICE
4	RGX00066	Standoff, blind threaded for Fanless PC, M4 x 0.7 x 6mm long	\$0.79	\$3.18
1	RGX00681	IMS COMMUNICATION ADAPTER FOR MDRIVE	\$405.00	\$405.00
2	RGX01300	RazorGage Assembly Labor	\$150.00	\$300.00
1	RGX02086	10 INCH WINDOWS TABLET MOUNTING PLATE-PAINTED	\$39.00	\$39.00
1	RGX02087	USB C Hub with Ethernet	\$50.00	\$50.00
1	RGX02278	10 INCH WINDOWS TABLET	\$878.00	\$878.00
2	RGX02330	UNIVERSAL TOP CLIP FOR TABLETS	\$0.50	\$1.00
2	RGX02331	DEEP CORNER CLIP FOR THICK JAPANEX ANDROID AND SURFACE GO	\$0.50	\$1.00
1	RGX02404	Mounting Bracket for USB Hub	\$0.75	\$0.75
1	RGX02685	PIPO SOFTWARE FOR RAZORGAGE XT	\$50.00	\$50.00
		TOTAL		\$1,727.93



Installation is very simple. See the following pages for step by step instructions.

Instructions for Installing Mini All In One PC on RazorGage ST or RazorGage xT

Step 1

Unplug the power cord going to the RazorGage electrical enclosure.

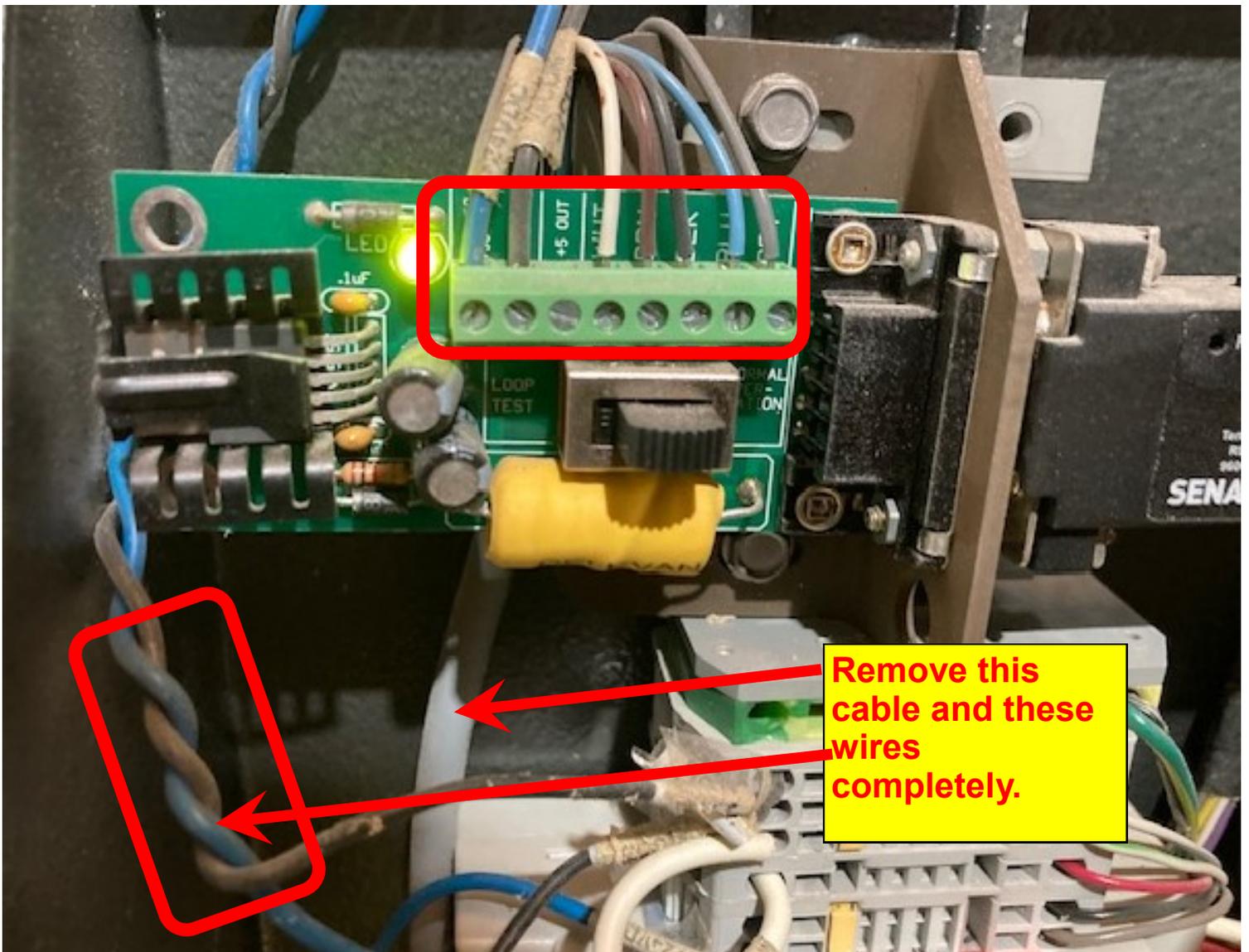


⚠ DANGER

Hazardous voltage.
Contact may cause electric shock or burn.
Turn off and lock-out system power before servicing.

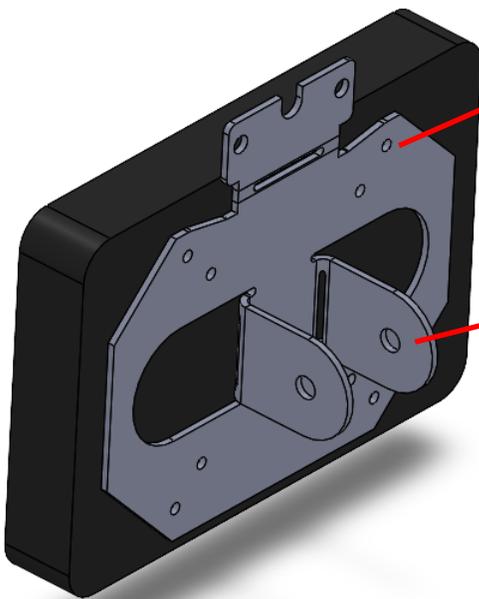
Step 2

Remove the 7 wires circled below. 5 of those wires are part of a cable that goes to the motor that drives the positioner. Disconnect that cable from the motor and pull it out of the enclosure. That cable will not be used anymore. The other two wires provide power to the Bluetooth board. We want to disconnect them from the bluetooth board, trace them back to the terminal blocks they're landed in, and remove them from those terminal blocks as well. In this way, the Bluetooth board is completely removed from the system and will not get in the way of communication later.

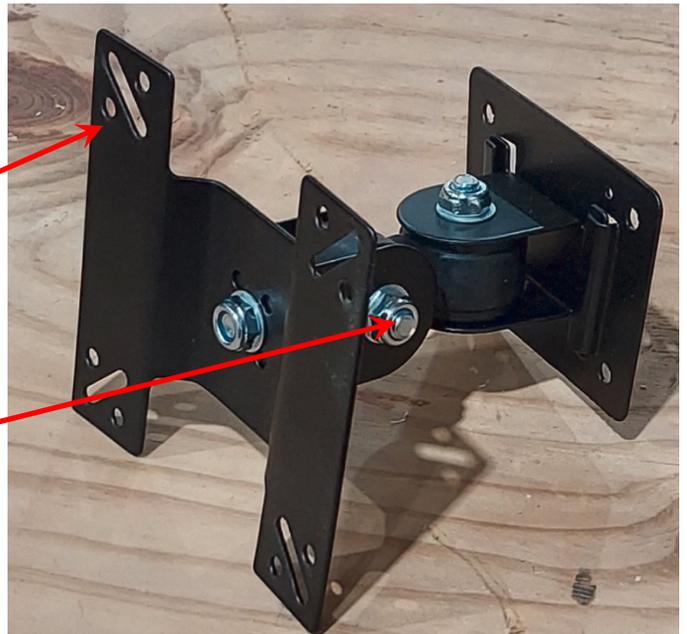


Step 3

Install the all in one PC where the previous tablet was using the provided mounting bracket. The bracket is designed to work with all the different mounting methods we have used in the past.

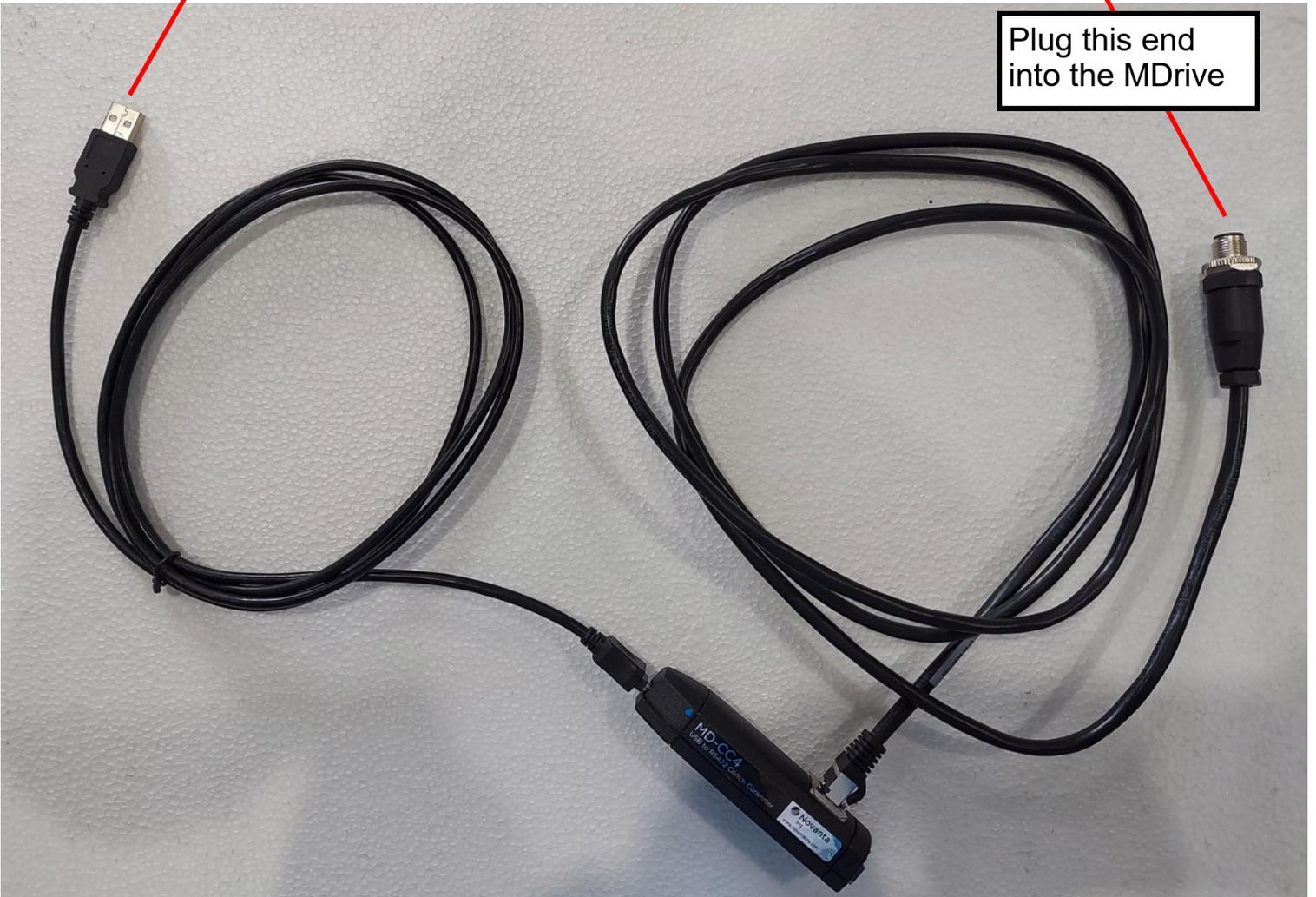


OR



Step 4

Install the all in one PC where the previous tablet was using the provided mounting bracket. The bracket is designed to work with all the different mounting methods we have used in the past.



MD-CC4
USB to Serial Converter
Moxia

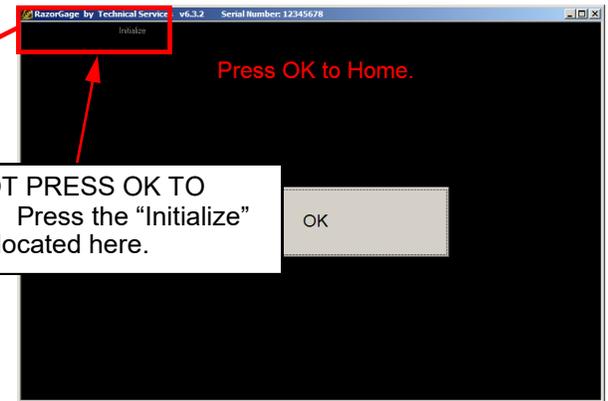
Step 4

If you are putting the All In One PC on a RazorGage xT, which has a Lexium MDrive, follow the instructions below. For RazorGage ST skip to Step 5

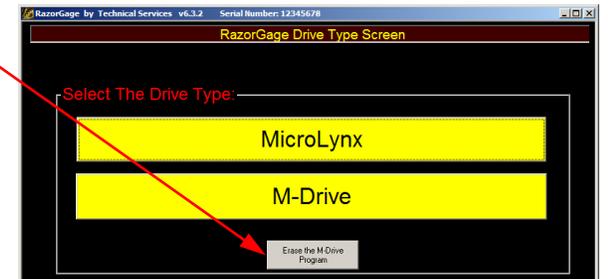
DON'T CLICK OK TO HOME after starting up the RazorGage Software. Instead click the INITIALIZE button in the upper left quadrant of the HOME screen as shown below.



DO NOT PRESS OK TO HOME. Press the "Initialize" button located here.



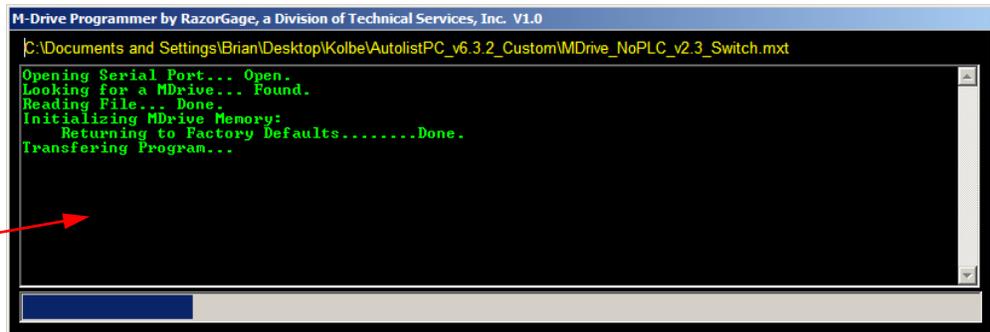
Press the "Erase the M-Drive Program" button.



When prompted to select a program, the software should automatically open the C:\Program Files (x86)\RGST. If it doesn't, you can navigate there yourself. Once in that folder, select the file named 0-Lexium_No_IO_v01.ixt



You should see this screen during download.

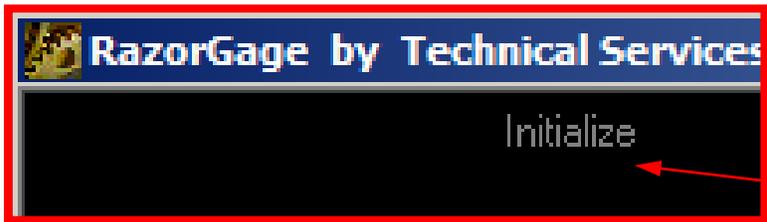


Enter the stroke, units, and Home Left or Home Right or accept the values that were preserved from the previous version. When you're done press SAVE ALL.



Step 5

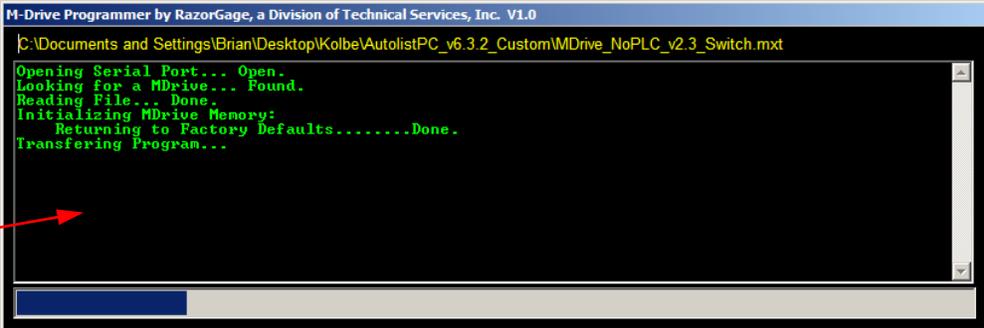
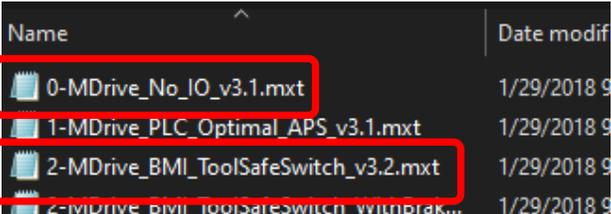
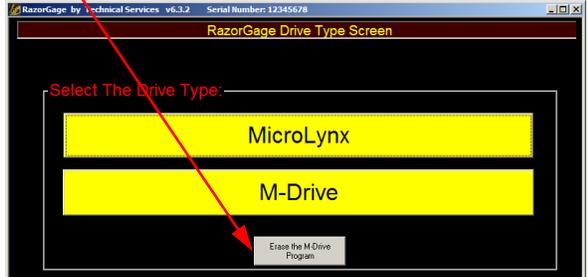
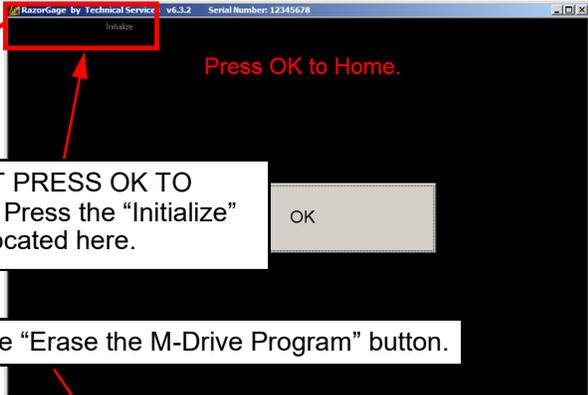
DON'T CLICK OK TO HOME after starting up the RazorGage Software. Instead click the INITIALIZE button in the upper left quadrant of the HOME screen as shown below.



DO NOT PRESS OK TO HOME. Press the "Initialize" button located here.

Press the "Erase the M-Drive Program" button.

After you click "Erase the MDrive Program button, you will be prompted to select a program, the software should automatically open the C:\Program Files (x86)\RGST. If it doesn't, you can navigate there yourself. If your machine does NOT have a tool safe sensor or if you're unsure, select 0-MDrive_No_IO_v3.1.mxt. If your machine does have a Tool Safe Sensor, select 2-MDrive_BMI_ToolSafeSwitch_v3.2.mxt



You should see this screen during download.

Enter the stroke, units, and Home Left or Home Right or accept the values that were preserved from the previous version. When you're done press SAVE ALL.

