

- Rev A Release Notes
- Field Update Procedure

505XT
Application Release
8200-1310, 8200-1311, 8200-1312

Updates and Field Update Procedure

This Application Note is intended to notify 505XT users of the changes included in the Revision A release of the GAP control application and GUI application. Users are not required to update to Revision A unless they need the added features and corrections listed below.

- Updates to Ratio Limiter logic using Exhaust Alternate Modes
- Admission control updates
- LinkNet RTD curve and Ohm settings from GUI corrected
- Actuator source and return faults seen with 200 mA range corrected
- Modbus list corrections and updates
- Russian language added to GUI

Equipment and Software Needed

- A desktop computer or laptop
- Woodward AppManager Software (version 3.07 or later)
- Obtain Updated GAP application file **5418-6769.OBJ_A.zip**
- Obtain Updated GUI application file **5418-6948.OBJ_A.zip**

Obtaining Software

To obtain the software files above, go to <http://www.woodward.com/software.aspx> and search for the following:

- 505XT GAP Application
- 505XT GUI Application

AppManager has been provided with the System Documentation CD shipped with the 505. The latest AppManager can also be downloaded from the link above. For information on how to use AppManager, refer to 505 manual 35018V2, Appendix F for step-by-step instructions for performing each of the tasks in the procedure below.

Update Procedure

IMPORTANT

The turbine must be shut down to perform the following procedure. If it is not, the AppManager program will not allow the application to be stopped, which will prevent the procedure from being performed.

Update the GAP and GUI applications to Revision A using the follow procedure.

1. If unit has been configured: Download the current tunable settings file from the control. If unfamiliar with using Control Assistant, refer to 505 manual 35018V2, Appendix E for step-by-step instructions on “Retrieving Control Tunables” from the 505.
2. If unfamiliar with using AppManager, refer to 505 manual 35018V2, Appendix F for step-by-step instructions.
3. In the Control application view panel, Stop the application by selecting Control/Stop Application or the Maroon Square button on the right side Toolbar.
4. Switch to the GUI application view panel (brown background) and Stop the application by selecting Control/Stop Application or the Maroon Square button on the right side Toolbar. The status of this application will now say Stopped.
5. The display on the control will switch to the 505 splash screen when no GUI is running.
6. Switch back to the Control application view panel.
7. Under Control menu, select Transfer Application Files.
8. In the dialog box that opens browse to find the new GAP executable file named: **5418-6769_a.out**.
9. When transfer is complete, select the file and start the application by selecting Control/Start Application or the Blue Triangle button on the right side Toolbar.
10. Switch to the GUI application view panel (brown background) by using the Swap button on the right side Toolbar (or Control/Show GUI Applications View)
11. Under Control menu select Transfer GUI applications.
12. In the dialog box that opens browse to find the new GUI file named: **5418-6948_a_build01.wgui**.
13. When transfer is complete (takes about a minute), select the file and start the application by selecting Control/Start Application or the Blue Triangle button on the right side Toolbar.
14. GUI initialization will take about 3 minutes.
15. If unit was configured: Upload the current tunable settings file (from step 1) from your PC into the control. Refer to 505 manual 35018V2, Appendix E, “Sending Control Tunables”.
16. Procedure complete. Both application files are now in AutoStart, and the control will boot up normally after any power cycle.

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