

The following changes have been made to the current version of the ATC CyberCabinet[®] software. There are many enhancements to this software in process, and will be released as future updates.

Feedback from Users is vitally important to keep the software bug-free and enhanced with new features to improve the experience. Please feel free to send feedback to SRE Services on any issue or comment using the on-line submission form at <u>http://www.Sreservicesllc.com/contact</u>, or send an email directly to *SreServices73@gmail.com*.

Please register your copy of the ATC CyberCabinet software on-line at <u>www.SreServicesLLC.com/registration</u>.

This will allow us to notify you of future software update releases.

Version 2.4.1.2

1. ITS Cabinet 6_6_6 configuration added.

Version 2.4.1

- 2. When a TF BIU was disabled, the channel status was default to On (Conflict). It now defaults to Off.
- 3. New Signal cmb boxes are driven from selecting the Signal Type.
- 4. In ITS Cabinet 14_6 configuration, Output Siu #2 address is now 7.

Version 2.4.0

- 1. ITS Cabinet support added (14 pack, 14+6 Pack, 14+14 Pack, 6 Pack, 6+6 Pack)
- 2. MapCabinetModel param added to Map file to identify the cabinet type. This is checked against the PJT for consistency.
- 3. 2018KCL Configuration was not showing RG and RY Multiple.
- 4. SIU Output2 Hide button was not functional.
- 5. When an alternate Datakey file is opened, the Project file name was incorrectly changed to the Datakey file name.
- 6. Input SIU 4 & 5 did not latch the Opto indicator balls when checked.
- 7. The file name for the associated Map is saved in the project file for easy Open.

Version 2.3.0.4

1. In NEMA TS2 mode, FYA Mode G and Mode H have been corrected to provide the proper Conflict adjustment during clearance .

Version 2.3.0.2

1. In NEMA TS2 mode, a Channel Disable configuration parameter was added to the MMU2.

Version 2.3





- 1. In NEMA TS2 mode, an EDI MMU2-16LEip Configuration file (.CFG) can be read to initialize the CyberCabinet MMU2 function.
- 2. In NEMA TS2 mode, DET BIU 4 was not reporting Call inputs.

Version 2.2.0.1

- 3. In NEMA TS2 mode, The Clearance function is disabled when the LS FLASH bit is set. The Controller going to Diagnostic Flash mode could cause skipped yellow Clearance faults.
- 4. The LS FLASH bit status is reported on the MMU form when active.
- 5. A selection is added to the SETTINGs form to Enable or Disable the CMU/MMU serial bus functionality. The CMU/MMU function should be disabled if the HDLC Interface Module is connected to a physical cabinet bus with a physical CMU/MMU.
- 6. A selection is added to the SETTINGs form to program the tri-state mode of the HDLC Interface Module. If the HDLC Interface Module is directly connected to the Controller, select *CU DIRECT*. If the HDLC Interface Module is connected to a physical cabinet bus select *BUS MODE*.
- 7. In NEMA TS2 mode, all BIUs were responding to PORT1 commands even when disabled.

Version 2.1.0

- 8. Any active detectors on the MAP will be turned off when MAP is closed.
- 9. Dark Map pointer is shown on ATCC CMU status bar.
- 10. CMU Control Status #1 and Control Status #2 are shown on ATCC CMU status bar.

Version 2.0.4

1. In TEES 332 with Aux cabinet mode, mapping for Aux SP#3 was incorrect

Version 2.0.3

2. TS2 Det BIU frames 148-152 all responded with type 148. DET BIU 2-4 now report correct frame type

Version 2.0.1

- 3. Permissive FYA setting (FyaGaParam=0) caused crash.
- 4. NEMA TS2 frame 129 is now implemented.
- 5. In 332 mode, Stop Time configuration was not being saved

Version 2.0.0

- 6. Some miscellaneous minor bugs were corrected and stability improved.
- 7. NEMA TS-2 support added to cabinet types supported.

Version 1.5.1.3

- 1. Beacons
 - a. The Signal Face Device view of the beacons will match the number of beacons assigned to the channel; R, Y, G, RY, RG, YG, RYG.
 - b. A SignalDriver parameter is added to Signal-1 for the driver source (R, Y, or G).





2. Backup file extensions changed from .wmp and .wpj to .map and .pjt respectively.

Version 1.5.1.2

- 8. A Beacon signal face was added to the Map view. A 1-section signal face can be assigned to a Red, Yellow, or Green signal driver output. The color of the beacon can be assigned as red, yellow, green, white, or blue.
- 9. Some miscellaneous minor bugs were corrected.

Version 1.5.1

- 3. The ATC CyberCabinet software now supports the TEES 332 and 332 with Aux File cabinets, including special mapping support for the LADOT 332, 332 with Aux File, and 337 cabinet configurations.
 - a. Important Note: Section 3.2.2 of the Operation Manual describes modifications to the 2070 controller needed for *ATC CyberCabinet* compatibility.
- 4. Some miscellaneous bug fixes have also been included:
 - a. The interface to the *HDLC Interface Module* was improved, any problems starting serial bus communications to the controller should be resolved.
 - b. The Virtual Channel signals were not displayed on the CMU when enabled.
 - c. A problem with the Vol/Occ detector was sometimes causing the program to crash when changing the Map mode from Run to Edit mode when the Vol/Occ detector was active.
- 5. A new signal face for a Beacon (AWP or EVP) has been added.

Version 1.4.2.3

6. All references to Date use the Window Region format.

Version 1.4.2.2

- 7. Support for a limited Dark Mode background display is provided. This Light or Dark mode is selected in the Configuration / Settings form, and is stored with the Project file. See Section 5.2.5.
- 8. Support for running multiple instances of the *ATC CyberCabinet* program has been added. This can be used to interface to multiple Controllers at the same time on one PC. A separate HDLC Interface Module is required for each controller. See Section 3.2.1.

Version 1.4.2.1

- 1. Support for the SIU Transition Buffer function is completed. This includes the Type 51 Configure Inputs and Type 54 Poll Input Transition Buffer frames.
- 2. The Detector icon in the Map view was limited to an assignment of IO 0:53 of the Input SIUs. It has been expanded to IO 0:59 in order to include the Opto inputs

Version 1.4.2





- 1. The Replay Tool Strip added a *Step* button to incrementally replay frame data. See section 8.3.4.
- 2. The Siu Direct Mode was not working correctly for the Output SIU. The signal colors were not matched to the graphics. This has been fixed.
- 3. The Replay *Save Log* function was enhanced to speed up the save to file process. A progress bar was also added.
- 4. Signal faces added for Transit (2-section and 3-section) and Bike.
- 5. If the Datakey file specified in the PJT is not found, a dialog box option is offered to point to a new Datakey file.
- 6. If the Photo file specified in the MAP is not found, a dialog box option is offered to point to a new Photo file.
- 7. In Map edit mode, an icon could be moved with left mouse button held down, even though the icon was not selected. This caused unintended moves of icons, especially photo.
- 8. The Paver and Photo icons can be "pinned", which prevents them from being selected in Edit mode. See section 7.5.2.1.
- 9. When Map or Project files were saved from a secondary screen and then loaded on a different system with primary and secondary screens reversed, the open forms would not be visible. When a Map or Project file is loaded, it is now checked for visibility. If not, the form gets repositioned onto the primary screen.

Version 1.4.1

- 1. The Replay function was enhanced to display the SIU Device View checkboxes during the replay mode.
- 2. In Map view Run Mode, the Project file and Map file names are shown at the top of the form.
- 3. The Volume/Occupancy Detector icon now has an option to set the Call states defined by the Volume parameter with a random effect. In this mode, the calls will be generated as pulsed calls of 200 ms duration. See section 7.5.1.1.1.
- 4. The CyberCabinet CMU function *R&Y Enable* for the FYA Protected Channels is implemented. See section 6.2.2.5.2.
- 5. The Default search directory in a PJT file was not saved correctly, so it was not reloaded into the Settings form when a new project was loaded.
- The Type 180/181 (Poll Raw Input Data / Poll Filtered Input Data) SB#1 frame for Output Siu #2 was not formatted correctly. This has been corrected.
- 7. Other minor miscellaneous bug fixes were applied.

Version 1.4.0

- 1. The Project filename is added to the main status bar.
- 2. The Replay Mode has been revised and is no longer incorporated in the Serial Comm Trace Log function. A separate control form is now provided that facilitates better control of the mode, and provides up to ten minutes of replay time.





- a. The CMU Enable function was fixed to follow the User state of the CMU Enable menu item. It can be enabled or disabled during the replay session.
- b. A new and separate button was added to the CMU form to trigger the Replay mode on fault.

Version 1.3.1

Reference the ATC CyberCabinet Operation Manual v1.3.1, February 11, 2021

- 1. A setting to format timestamps using 12 hour or 24 hour format is provided in the Settings form. See Section 5.2.5.
- 2. The Status Bar on the SIU Device view form displays the Date and Time from the Controller in CU Direct mode. If the Controller time is different from the PC time by more than *Controller Time Offset Threshold*, this status panel is shaded pink. See Section 5.2.5.
- 3. The Serial Comm Trace Log Replay Mode was updated to disable the CMU when the replay is paused and at the end of the replay. This prevents the CMU from detecting faults on flashing signals during the pause.
- 4. The SB#1 Type 181 (Get Filtered Input Data) Response frame was fixed to have the correct frame type number (0xB5).

Version 1.3.0.1

Reference the ATC CyberCabinet Operation Manual v1.3.0.1, February 2, 2021

- 1. Backup copies of the previous Project file or Map file are made (if they exist) when Saving a file. Backup File name is "Backup of..." with wpj or wmp extension. See Section 5.1.1.2 and 7.2.2.
- 2. The Serial Comm Trace Log and CMU Previous Fault timestamps have AM or PM added. See Section 5.3.3.
- 3. The HDLC Interface Module transmit mode is set for no tristate on Tx. This improves the HDLC communications reliability.
- 4. Fixed SIU Output #1 Misc IO45 shape status being overwritten by IO46 shape status.
- 5. Fixed Datakey File name was not saved in PJT file if opened from the recent file list. See Section 5.1.1.1.
- 6. If a Datakey File name was used to load CMU Datakey parameter, and then saved in the PJT file, the Datakey file is loaded into the CMU when the project file is loaded. See Section 6.4.2.1 and 5.1.1.1.
- 7. A CMU Logic function has been added to emulate the connection from an SIU output pin to the CMU External Reset input. This defaults to SIU #1 IO46 for McCain Output Assemblies. See Section 6.4.1.2.1.
- 8. A CMU Logic function has been added to emulate the connection from the CMU to a Local Flash Sense SIU IO pin. An option to set the Output Polarity is also provided. See Section 6.4.1.2.2.





- 9. The Serial Comm Trace Log Replay logic was modified to suit the LADOT SB#1 polling scheme. This affected the ability to display detector calls from the SIU Device view and Map view during Replay mode. See Section 5.3.3.
- 10. The Close Map function was incorrectly returning a "modified status" when no changes were made to an open Map.

Version 1.2.2.1

1. The CMU Control Status #2 Configuration Change (b0) is cleared only after the controller has issued the Type 82 frame.

Version 1.2.2

- 1. The Call Status (blue LEDs) were not updated or reported properly for Input SIUs #2-5 (address: 10-13). This has been corrected.
- 2. The SIU forms will have all Checkboxes cleared when a project file is loaded.
- 3. In the SIU Direct mode, the SIU form blue status LEDs were not correctly updated. This has been corrected.
- 4. Some stability issues have been improved.
- 5. Misc IO textboxes and checkboxes are added to the SIUOutput1 and SIUOutput2 forms to show ATC5301 unassigned IOs in the ATCC mode.
 - a. An Option was added to *Settings* to display or not display these Misc IO icons.
- 6. A *Reset CMU* button was added to the CU Direct Mode Control form. This makes it easier to reset a CMU fault if the CMU form is hidden.
- 7. The Serial Comm Trace Log code was improved for efficiency. It was not always reporting all SB#1 transactions accurately and in real time.
- 8. The CMU Exit Flash routine was modified to correct a timing issue with the Control Status #1 and Control Status #2 bits of the Type 195, 209, and 211 frames.

Version 1.2.1

- 1. In the MAP Edit Mode:
 - a. Detector and Signal icons can be modified from their original parameters using the right-click context menu items; *Modify Detector Parameters* and *Modify Signal Parameter*. This eliminates the need to delete and replace a Detector or Signal icon when parameter changes are required.
 - b. When multiple icons were selected, the *Rotate* function did not rotate them correctly around a fixed point. Selected icons are now rotated around the index point (left, top) of the first icon selected. If Ctl-A is used to select all icons, then the index point is the center of the MAP form.
 - c. Map Labels can now accept the "&" character as text.
 - d. If the Ctl key is pressed when an icon is left-clicked, then the Selected state of the icon will be toggled.





- 2. The Signals Context Menu items show a checkmark for the Signal Face type of the channel when inspected.
- 3. The Serial Comm Trace Log shows a text decode of Command type and Address in blue.
- 4. The Response frame type was incorrect for the Type 83/211 SB#1 frame. It has been corrected to 211.

Version 1.2.0

- 1. The SIU Device view can be set to display the Input SIUs as SIU devices or 4-channel Detector devices.
 - a. Main Menu: Configuration/Settings
- 2. Fixed a bug that incorrectly closed the CMU form. Added a Close button to the CMU form.

Version 1.1.0

1. First Release.

