AIMCO AcraDyne Gen IV ACE Controller Firmware Instructions

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NOTE: Always save PSet and IP address information before upgrading the controller.

Upgrading to the AcraDyne Gen IV ACE Controller platform is simple and easy to perform. AcraDyne continually works to improve the product and add new features as requested by our customers. These improvements get transferred to controllers in the field using upgrades.

The chart below shows the history of Application Software and Firmware of the Gen IV platform. It is recommended to upgrade the Application and Firmware from the past year's final release until the most current Application and Firmware is reached. For example, if your controller currently has 3R15, Application 1.11, and Firmware 1.06, you would first upgrade to 5R15B2 and then upgrade to 3R16B7, continuing with the final release of each year until the most current version available on AIMCO's website.

AcraDyne identifies the Upgrade files under a term known as SYSREL. SYSREL stands for System Release and carries an identifier that clearly denotes the year of its release. For example, 1R17 would denote 1R = 1 release of

a given year, 17 = Year of the release, and B1 = The first edit to the release.

SysRel	Application	Firmware
2019		
1R19B	.98 – 1.107	1.50 – 1.55
2018		
3R18	1.81 – 1.95	1.38 – 1.48
2R18	1.75 – 1.79	1.34 – 1.37
1R18	1.74	1.34
2017		
2R17	1.63 – 1.71	1.27 – 1.32
2R17B1	1.53 – 1.54	1.26
1R17B1	1.53	1.26
1R17	1.52 – 1.53	1.26
2016		
3R16B7	1.47	1.24
3R16	1.38 – 1.47	1.20 – 1.24
2R16	1.34	1.17
1R16	1.29 – 1.33	1.16 – 1.17
2015		
5R15B2	1.25	1.12
5R15	1.22 – 1.25	1.11 – 1.12
4R15	1.12 – 1.17	1.07
3R15	1.11	1.06
2R15	1.09	1.04
1R15	1.07	1.01
2014		
1R14	1.01 – 1.02	1.00 – 1.01

Controller Overview

General

Model Number	iEC4
Serial Number	Engineering
Type	IPC4

Software Versions

| Application	01.53
Firmware	01.26

To update your controller, you will need to download the GEN IV Controller Firmware from the AIMCO Website – Resources/Software /Gen IV IEC and is Firmware Update. Double-click on the link.

Once exports.zip is downloaded, open it by double-clicking on the file.
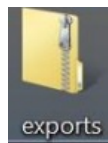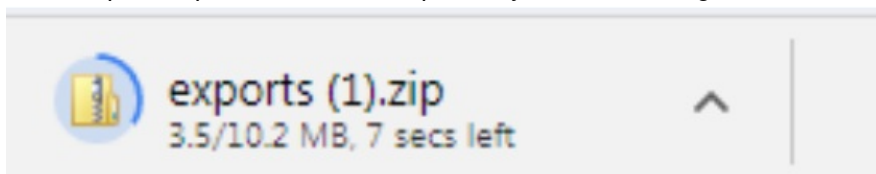
Right-click on the "exports" file, and select "copy"
Locate the USB drive on your computer, right-click and select "paste".
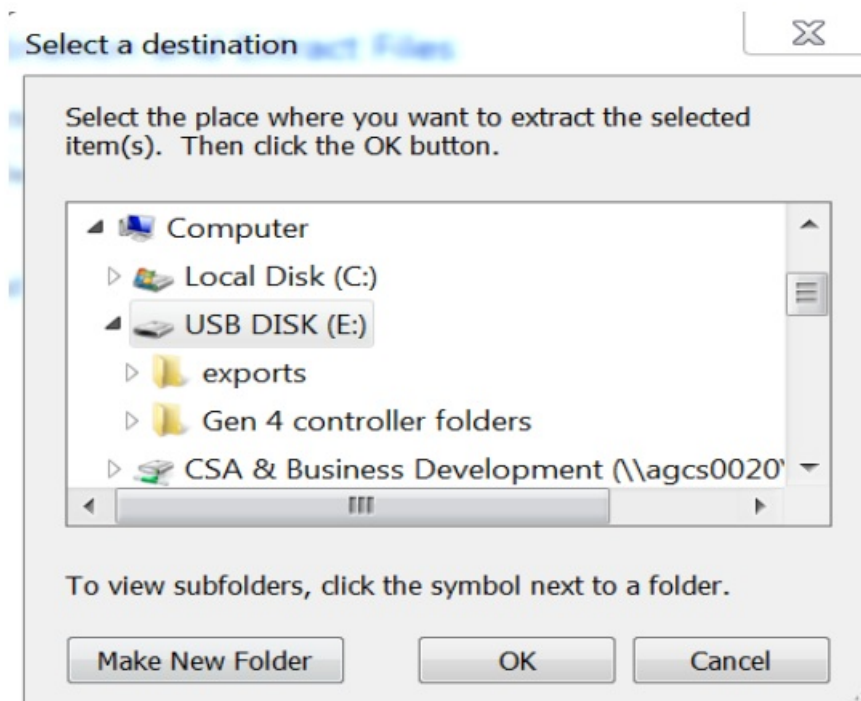
If unable to Import files from USB, check the directory structure. The files on the USB drive should be in the following directory structure:

Correct Structure

⊿ 🖴 Removable Disk (E:)
    ⊿ 📁 exports
        ▷ 📁 0.13_update

Incorrect Structure
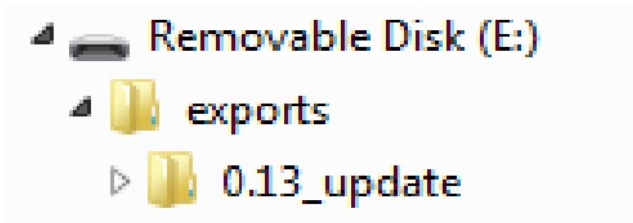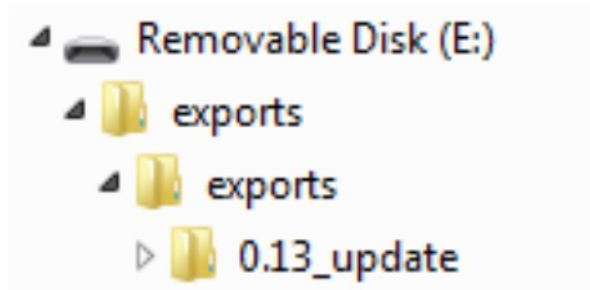
⊿ 🖴 Removable Disk (E:)
    ⊿ 📁 exports
        ⊿ 📁 exports
            ▷ 📁 0.13_update

Remove the USB memory stick from the laptop or PC and insert it into any open USB port on the controller. Using the Touch Screen or a System Port browser session, navigate to the "Advanced" menu. Click "Update Controller" and select the Available Update. See the example below:

Update Controller

Available Updates

4R15_Update

Figure 1 Controller Upgrade Notification

Click the green checkmark when ready. Click the green checkmark to disable the tool.
After the controller restarts, the user should see the messages.

Updating System
Do not unplug the USB
Do not Power Off Controller
This may take a few minutes…
Once complete, re-power the controller.

When the controller has finished, navigate to Diagnostics→Controller Overview to view any changes to the "Software Versions". System settings (Ethernet IP address, Petts, Jobs, etc.) will remain unchanged.

Aimco
CREATING VALUE
rev.08.2019

Documents / Resources

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