Application Note

Product Type: ASC/3

Subject: ASC/3 SW Upgrade Instruction Using ASC/3 File Transfer Utility

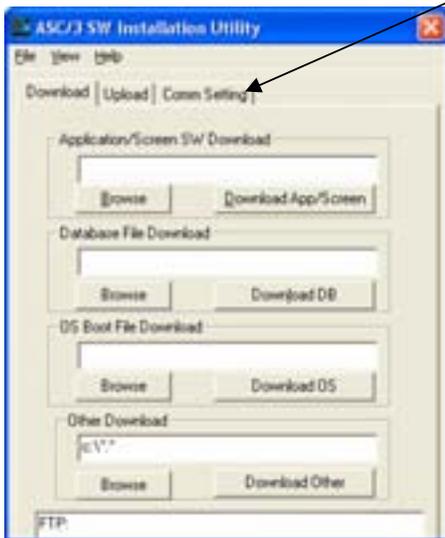**Reference:** AN2038
Date: 5/4/06

Purpose:

To walk the customer through the Software upgrade process.

Introduction:

There are several ways to upgrade ASC/3 SW. The easiest way is to use the ASC/3 SW Installation Utility. This application note should help ease the SW upgrade process.

Applications:

1. If SW package is zipped, uncompress the SW Upgrade package

2. Click on ASC3FileTransferUtil.exe
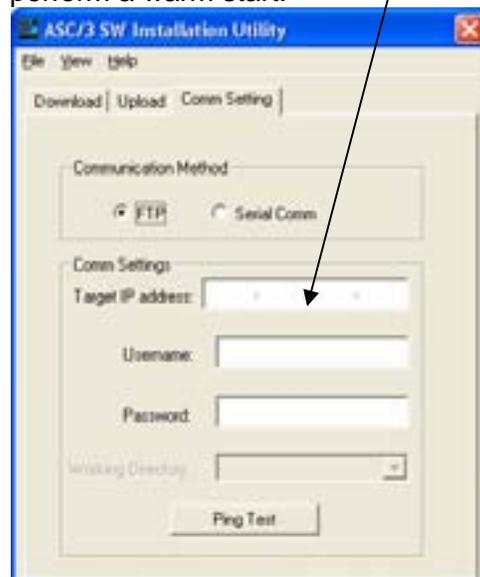
3. **Communication Setup**: Go to "Comm Setting" tab

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Product Type: ASC/3

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a. Ethernet (FTP)

WARNING: The below network setting steps assume basic level of network knowledge on the user's side. An IT professional might need to get involved to set up FTP capability over Ethernet.

   i. Hook up the Controller to Ethernet port (either via a switch or direct connect with Ethernet cross-cable).

   ii. Fill in Controller's IP ADDRESS. This typically defaults to 90.0.0.99 (see app menu MM-1-5-5 or Boot menu 9).

   iii. Make sure the PC's IP is in the same subnet with the Controller. (e.g. Controller's IP 128.12.x.x, PC's IP connecting to the controller should also have 128.12.y.y, subnet mask should be the same 255.255.0.0).

   iv. Click on ping test to make sure the 2 devices communicate by seeing reply messages.

   v. Controller can be in app mode to download application and Database.

   vi. To allow the new Application to become effective, power the ASC/3 controller OFF then ON to perform a warm start.

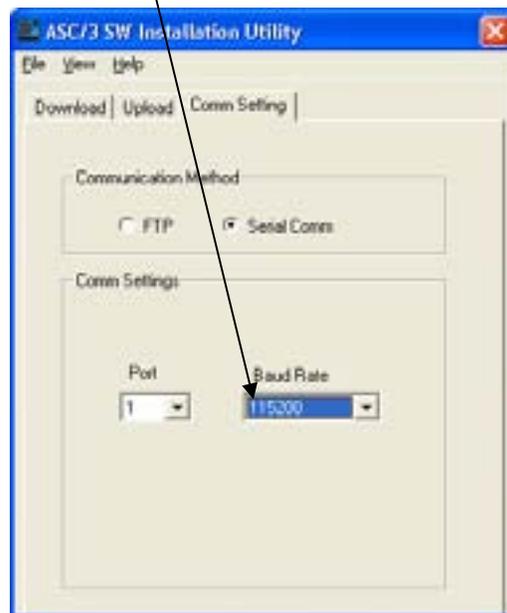For further information, contact Econolite Technical Support
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b. Serial (Serial Comm)
  i. Select COMM port and appropriate baud rate.
  ii. Hook up the Controller Port 3A to selected COMM port.
  iii. Controller must be in boot mode if serial connection is used. Boot mode is accomplished by powering up the ASC/3 while simultaneously depressing the "1" and "CLEAR" keys.
  iv. Select the appropriate baud rate in the controller (Boot mode-4-5).

These instructions assume directory is F:\ASC3\Relase 2.5\ASC3v2.00.00

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CONTROLLERS   SYSTEMS   AUTOSCOPE   OEM   SIGNALS

Product Type: ASC/3

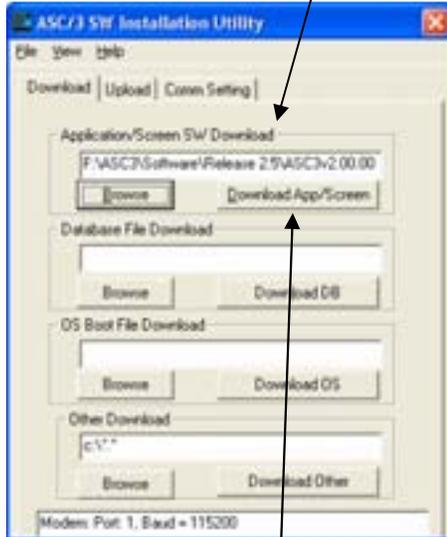**Reference:** AN2038
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4. **SW / DB Upgrade**:
   a. **Application Download**
      i. Make sure the app directory is where the application files (.bin,.defs,.help,.text) are. If not, "Browse" to locate the correct directory.

      ii. Click on ***Download App/Screens***. This will download the application SW and associated files.
      iii. If using serial, please follow the on-screen instruction. Click ***Finish*** when it is done.
      iv. If the File system has been reformatted in the ASC/3, N3000-*.db must be downloaded prior to power up the system in application mode. See Download Other files for details on how to download the file.
      v. The application file names are renamed to Asc3app, asc3screens.defs, asc3screens.text, asc3screens.help, on the controller.

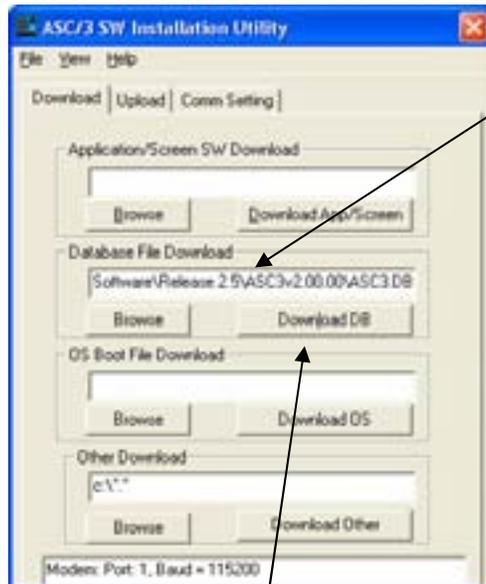For further information, contact Econolite Technical Support
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b. Database Download

    i. Make sure the Database file exist in the indicated directory.

    ii. Click on *Download DB*. This will download the indicated DB file.

    iii. If using serial, please follow the on-screen instruction. Click *Finish* when it is done.

    iv. The Database downloads name is renamed to asc3.db on the controller.

NOTE: The ASC/3 does not reset the "SRAM". When downloading a database, the operator must first clear the "SRAM", Boot-7-9-0 for the new Database to take effect.

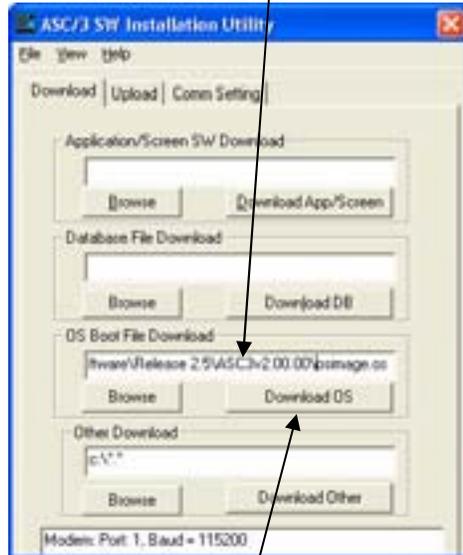For further information, contact Econolite Technical Support
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c. **OS Download** via **COMM** (Only downloadable via COMM or FTP Server)
   i. Make sure the .OS file exist in the indicated directory. OS file has file extension ".os".

   ii. Click on **Download OS**. This will download the indicated OS file.
   iii. Follow the on-screen instruction. Click **Finish** when done.
   iv. If the File system has been reformatted in the ASC/3:
       1. Cycle the power to the ASC/3 (OFF and ON).
       2. Load the Application files as described in 4.a above.

d. **OS Download** via **ftp Server**
   WARNING: The below network setting steps assume basic level of network knowledge on the user's side. An IT professional might need to get involved to set up FTP capability over Ethernet.
   i. Make sure ftp server is running with proper IP address.
   ii. Copy the OS image to the root of the ftp directory (setup is ftp server application dependent).
   iii. Rename the Os image to osimage.
   iv. Put the Controller in boot mode (1-Clear keys pressed while powering up).
   v. Make sure the ftp server IP address is the same as ftp server. Menu #4-3
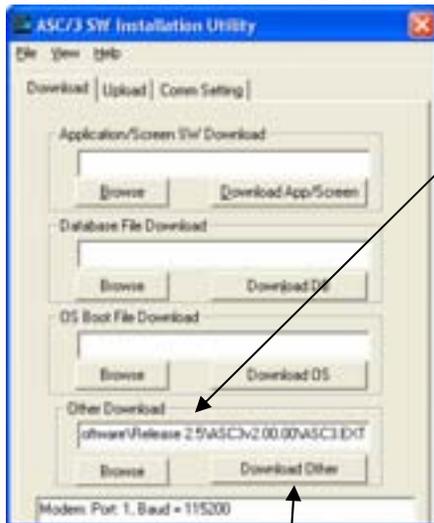   vi. Select 1-3-1 to get the OS image.

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5. **Other Downloads**. This is used to download other specific applications
   a. Make sure the file exist in the indicated directory.

   b. Click on *Download Other.*
   c. If using serial, please follow the on-screen instruction. Click *Finish* when it is done.
   d. The file's name is retained on the controller.

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