Upgrading MegaTron XS to "H" Communication Card

This guide is designed to help with upgrading a MegaTron XS to have the "H" option communication card.

Step 1:
Before going onsite, contact the Advantage Controls' customer service department by calling **918-686-6211** or visit our website at **www.advantagecontrols.com/downloads_other.php** and get the latest firmware version for the MegaTron XS and update the controller firmware following our upgrade instructions.

Step 2:
After the controller has been upgraded to the latest version, **unplug the controller from incoming power** and remove the display panel. The communication card slot is the far right-hand slot on the motherboard.

1. Install liquid tight with CAT5 cable out of the right side of the enclosure using one of the provided knockout positions.
2. The communication card will install with the CAT 5 connector at the bottom right-hand side of the card. Make sure card is firmly seated in motherboard header.
3. Connect CAT5 cable to card.
4. Replace display panel and power controller back on.

Note: If converting a H1 card to H, remove CAT5 cable from silver connector and unplug communication card (with unit powered off).

Remove smaller red card from larger card that plugs into the motherboard then follow steps 2 and 3 above. Zip ties may need to be cut to separate cards.

Step 3:
Press the Setup/Run Button, navigate to the **CONFIGURE** menu, and select **FACTORY**. You will need to get the Factory password for the day from Advantage Controls' customer service department. With the factory password entered, press Enter to accept and press button 1 for Cards.

```
          >HOME SETUP<

SETPOINTS                DATE/TIME
CALIBRATION              CONFIGURE
TIMERS                     HISTORY
CUSTOMIZE              WATER METER
ALARMS                      RELAYS
```

```
          >CONFIGURE<

PASSWORD                  CONTRAST
RELAYS                  TEMP SCALE
                          NETWORK
HISTORY                  SYS INFO
FLOW SW                   FACTORY
```

```
          >CONFIGURE<
   PLEASE ENTER FACTORY PASSWORD
            [0000]

   USE ARROW KEYS FOR PW, PRESS
   ENTER TO ACCEPT OR BACK TO ERASE.
FLOW SW                   FACTORY
```

```
         >FACTORY SETUP<

CARDS                DEFAULT NAMES
CONFIGURE             CDEF. VALUES
TIMERS               MENU TIMEOUT
RELAYS                 CUSTOMER #
EVENTS                 AUX METERS
```

Step 4:
Select **COM CARD**.

```
      >FACTORY SETUP - CARDS<

SYS 1 CARD                 OUTPUTS
SYS 2 CARD                  INPUTS
                       FUZZY MA INS
                           COM CARD
                            ZIGBEE
```

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Step 5:
Select **COMMUNICATIONS**, and in this pop-up use the up arrow until "Advantage Eth" is shown. Press Enter to accept.

```
            >COM CARD SETUP<

COMMUNICATIONS
MAC ADDRESS
WRITE ACCESS
WIFI
```

```
            >COM CARD SETUP<

    COM CARD TYPE (ADVANTAGE ETH)
           -> ADVANTAGE ETH

    PRESS UP/DOWN KEYS TO CHANGE
    PRESS ENTER TO ACCEPT
```

Step 6:
Select **MAC ADDRESS.** In this pop-up, use the arrow keys to enter the factory provided MAC address for the serial number of your controller. Press Enter to accept.
Note: If a new communications card was provided with your upgrade the MAC address can be found on a sticker on the card. If the MAC address is missing contact Advantage Controls' customer service and ask for the factory assigned MAC address for your controller's serial number.

```
            >COM CARD SETUP<

COMMUNICATIONS
MAC ADDRESS
WRITE ACCESS
WIFI
```

```
            >COM CARD SETUP<

      ETHERNET MAC ADDRESS
        E4:38:F2:00:00:07

    PRESS ARROW KEYS TO CHANGE, PRESS
    ENTER TO ACCEPT OR BACK TO ERASE.
```

Step 7:
Press the Set-Up/Run key after making the Factory setting changes to save changes.

Step 8:
Install new model / serial number label on side of controller over old label.

Step 9:
Navigate to the **CONFIGURE** menu and select **NETWORK** and review network settings to insure that they are properly confined to for the controller to communicate with the ACI Server on port 443.

```
              >HOME SETUP<

SETPOINTS              DATE/TIME
CALIBRATION            CONFIGURE
TIMERS                  HISTORY
CUSTOMIZE            WATER METER
ALARMS                   RELAYS
```

```
              >CONFIGURE<

PASSWORD               CONTRAST
RELAYS              TEMP SCALE
                       NETWORK
HISTORY                SYS INFO
FLOW SW                 FACTORY
```

```
               >NETWORK<

    IP ADDR: 192.168.1.76
SUBNET MASK: 255.255.255.0
    GATEWAY: 192.168.1.240
     DOMAIN: DynamiCUniversal Rabbit BIO
 ACI SERVER: connect.webadvantage.online:443
       HOST: mycontroller
        MAC: 00:90:c2:d9:ea:7c
       DHCP: On
                                      DHCP
SETTINGS                             RESET
```

```
            >CONFIGURE NETWORK<

          WEB SERVER ADDRESS
     [connect.webadvantage.online:443]

    USE ARROW KEYS TO CHANGE, PRESS
    ENTER TO ACCEPT OR BACK TO ERASE.
SERVER
```

Note: Always do a Reset to the Network settings after making changes to save those changes.

Step 10:
Register your controller with Advantage Controls following the supplied User ID Setup Quick Steps if it is not already registered.