

APPLICATION NOTE

APP122

Revision History

| Date | Author | Description |
|----------|--------|-----------------------------------|
| 10-13-16 | DEW | Setup |
| 06-24-21 | DEW | Change save time to 6 months plus |

VIEWING MCS-CONNECT HISTORY/GRAPH FILES OFFLINE

Any questions regarding this release, contact: support@mcscontrols.com

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INCREASE THE HISTORY STORAGE CAPACITY FOR YOUR MAGNUM AND VIEW FILES OFFLINE

The **MCS-COMPACT** is a daugherboard able to hold a type 1 or type 2 compact flash memory card. It can easily be installed in the field by plugging it into the expansion pins on the MCS-MAGNUM.

The MCS-COMPACT increases the MCS-MAGNUM's history storage up to 6 months plus of run data.

MCS-COMPACT provides plug and play capability allowing it to be moved from one MCS-MAGNUM to another MCS-MAGNUM, making it a great service troubleshooting tool.



for connection from Compact Card Reader to

computer

Part # MCS-COMPACT

Viewing Magnum History Offline

Site Info OFFLINE GRAPH

Interval: 10s

Graph Setup

Print Graph

Off

Graph

Control

Static

You can view the history/graph files offline. When you are online with MCS-Connect and you go into the graphing screen, MCS-Connect pulls back the current history/trend data from the MCS-Magnum and you can view the data online.

In the graphing screen over on the right hand side there is '**Save History**' button which will save all the data pulled back to a file on your laptop hard drive. This history file can then be viewed at a later time, offline.

The MCS-Magnum can save onto a MCS-COMPACT, a 2G compact flash card, the same history file as in graphing screen "Save History" option. Only difference is MCS-Magnum names the history file and automatically saves the history file when the MCS-Magnum internal history data has filled up. You must remove the compact flash card from the MCS-Magnum and using the USB top Compact flash adapter, read the compact flash card on your laptop like you would read a USB memory stick.

Once you insert the USB Compact adapter (with Compact Flash card plugs into it) into your laptop you will see all the history files saved on it. The MCS-Magnum names the file with 'HISTORY-INFO' plus the date and number. The Number is sequentially numbered starting from 1 every midnight. Please see below an example of history files saved on compact file card. In this example there are two files, both saved on June 6, 2015, one file was the 48 file saved that day and the other being the 52 file saved that day.



Now to view a graphing file that has been saved on the compact flash card or one you manually saved in the graphing screen open MCS-Connect and click on the "Offline" text at the top of the screen. Then in the popup menu click on **'Load an Offline Graph File'**.

| ile Setur | Offline Help | |
|-----------|----------------------------------|-----------------------|
| (| Load an Offline GRAPH File | |
| | Load as Offline XML File | ocal Network Connec |
| | Load an Offline MODBUS .cfg File | |
| | | |
| | | and the second second |
| Site | ame. | emote Network Conne |
| Site N | lame R | emote Network Conn |

Then you will get a popup file selection window(see below photo). Move to the folder where the history file has been saved and select the history file you want to view.

| Load Offline | Graph | | × |
|----------------------|-----------------|---|--------|
| Look in: | MCS HISTOP | Y(E) | |
| Curck access | Nam | Cystem Volume Information | |
| | - | History-Info 2015-06(JUN) -23 52 xt 6/23/2015 9:43 AM | |
| Desktop Libraries | | History-Into 2015-06(JUN) -23 48 txt 6/23/2015 10:07 AM | |
| This PC | | | |
| Network | Object name: | History-Info 2015-06(JURI)-23 48.bd | Opeo |
| | Objects of type | Wites(1) ···································· | Cancel |

Then after you select the file you will see a screen like below.

Click on the offline graph tab and you will see the screen below:

| | | Graph Tra | | ransmit Cfg F | | Receive Cfg | |
|-----------|------------|-----------|------|---------------|----|-------------|--|
| Site Info | EFLINE GRA | АРН | | | | | |
| Address | HW Serial | # Cfg N | lame | Company | Na | Unit Mode | |

Now it will work just like the normal "Graph" button/screen in MCS-Connect, where you can select which points you want to graph.

| Disconnect | Scan | Graph | Transmit Cfg | Receive Cfg | View Only | Load Firmware | Diagnostic Save | |
|----------------|-------|--------------|----------------|-------------|--------------|-------------------|-----------------|----------|
| nfo OFFLINE GR | ADH | | | | | | | |
| | | | | | | | | |
| | 11 | 111 | 1111 | 1111 | TIT | 1 1 1 1 1 | 1 1 1 1 1 | 11 |
| | | | | | | | | |
| | | | | | | | | |
| Relay/Input | | | | | 1 1 1 | 1 1 1 1 1 | | |
| 0n | | | | | | | × | |
| on | | 100 | Vie Veren V | Caller and | | | | |
| Off | | ROS | AOS SIS & DIS | Interval | | inter II decement | | |
| | 300.0 | - F | Name Name | Plot | lype | Unit Name | V Avia | |
| Interval: 10s | | M- 1 | SUPPLY FAN | | | | TAXIS | |
| Graph | 270.0 | M-2 | EnableCool(ul) | | - | | Maximum | |
| Carab Catur | 210.0 | M- 3 M- 4 | AllowEcon (ul) | | | | 300 | |
| Graph Setup | | M-5 | CO2 OK (ul) | | | | | |
| Print Graph | 240.0 | M- 6 | IONIZER (ul) | | | | Minimum | |
| | | M- 7 | SPAREM-7 | | | | Punimuni | |
| | 210.0 | M- 8 | SPAREM-8 | | _ | | 0 | |
| | | M-10 | ALARM | | | | | |
| | 180.0 | 1-1 | EnableEcon(ul) | | | | # of Lines | |
| | | | | | | | - 40 | |
| Control | 150.0 | | | | | | | |
| Static | | | | | | | | |
| | 120.0 | | | | | | | |
| | 120.0 | | | | | | | |
| | | | | | | | | |
| | 90.0 | | | | | 1 | | |
| | | | | Gr | aph Selected | Can | cel | |
| | 60.0 | | | | | | | |
| | | - | | | | | | |
| | 30.0 | 1 | | | | | | |
| | | | | | | | | |
| | 0.0 | | | | | | | |
| | | 10:32:49 | 10:33:39 | 10:34:29 | 10 | (35:19 10 | :36:09 | 10:36:59 |
| | | | | | | | | - |



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