

MegaTron Quick Steps

XS Controller - USB Functions

The XS is capable of transferring information using a FAT formatted USB drive. The XS has three main USB functions as detailed in the following sections:

- 1. Exporting log data
- 2. Upgrading firmware
- 3. Cloning user settings for other XS units

Getting Started

With the controller powered up, plug the USB drive into the XS USB port. The USB DRIVE DETECTED pop-up window will appear.

Notes:

- You may be required to enter a password.
- USB drives must be FAT formatted.
- Not all customized names will be saved.

Exporting Log Data

History from an XS controller can be saved to a USB drive in one of two file formats: WebAdvantage or generic comma separated (default).

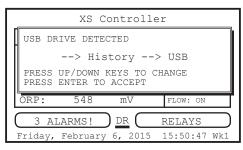
	ft Excel - Book N7	- (-) - (-)			ated Format er row
A I	В	c 🗖	D	E	1
1 SYSTEM	/# DATE	TIME	RECORD#	COND	MAKE-UP COND
2 1	2/27/2015	8:31:00	1	1108	396.3
3 1	2/27/2015	8:26:00	2	1415	422.5
4 1	2/27/2015	8:21:00	5	1155	573.2
5 1 6 I	02/05/15 02/05/15	F <u>o</u> rmat 08:26: 08:26: 08:21: 08:21:	View 00,1000, 00,6000, 00,1000, 00,6000,	withou ,,1201 0,,116 ,,1189	antage Forma t header row

Sample Log Data "log.txt" files

To change formats, see Step 2.

Step 1:

To transfer the contents of the XS history logs to the USB drive, select --> **History** --> **USB** by using the Arrow buttons. Then press ENTER.



Note: Status will be displayed on the screen to show the percent completed of each log record type. Once the log is completely stored, the pop-up window will close. If only a small amount of data is available the screen may disappear quickly. The USB drive will now contain a file name: example "LOG_AB-1234.TXT". The AB-1234 will be the unit's serial number.

Step 2: Changing the File Format This is the RUN Screen.

Γ		XS Co	ontrolle	r
	SYS1:	Towers	1-4	
	COND:		0 uS/cm	TEMP1: 68°F
				WM1: 0.0
	Hq:	3.2		WM2: 0.0
	ORP:	548	mV	FLOW: ON
	C 3 AI	ARMS!		RELAYS
	Friday,	February	6, 2015	15:50:47 Wk1

Step 3:

Push the **SET UP RUN** button to get this screen. From here push **CONFIGURE** (Button 7) to go to the next screen.

>HOME	SETUP<
SETPOINTS	DATE/TIME
CALIBRATION	CONFIGURE
TIMERS	HISTORY
CUSTOMIZE	WATER METER
ALARMS	RELAYS





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Step 4:

This is the Configure Screen. From here push **HISTORY** (Button 4) to go to the next screen.

	>CONFIGURE<
PASSWORD	CONTRAST
RELAYS	TEMP SCALE
	NETWORK
HISTORY	SYS INFO
FLOW SW	FACTORY

Step 5:

This is the Configure History Screen. From here push **SAVE FORMAT** (Button 4) to go to the next screen.

	>CONFIGURE HISTORY<	
INTEF	RVAL	
W/M H	IOUR	
DELAY	7	
SAVE	FORMAT	
SAVE	FORMAT	

Step 6:

Set the value of the **HISTORY SAVE FORMAT** by using the arrow keys. Then press **ENTER** to confirm and go to the previous screen.



Note: WebAdvantage format is required for uploading history to WebAdvantage for cloud storage and graphing. Change to Comma Separated format if using a database software like Excel.

Press **SET UP RUN** to return to the RUN screen.

Step 7:

Remove USB drive and re-insert to initiate the USB DRIVE DETECTED pop-up window. Repeat Step 1 from section *Exporting Log Data*.

Uploading data to WebAdvantage

If the controller does not have a communications card you can purchase WEBADV-XSCLOUD storage of your unit's history. This one-time fee per controller allows the XS history to be stored on WebAdvantage for using custom graphing and multiple user internet access. Contact Advantage Controls or <u>support@advantagecontrols.com</u> with your unit's serial number to learn more.

After an XS is set-up for cloud storage, follow these steps:

- 1. Login to the secure web server: https://webadvantage.online
- 2. Locate the controller you have data for and click **Reports**
- 3. Click History Upload on the left
- 4. Click **Choose File** and select the file you exported.
- 5. Click **Submit** and the data will upload
- 6. You will now be able to view reports and history data once completed.

Upgrading Firmware

To upgrade the firmware on your XS, copy the updated software version to a USB drive. The file name should be "firmware.bin" With the controller powered up, plug the USB drive into the XS USB port. The USB DRIVE DETECTED pop-up window will appear. If a password is in the unit, the USB will ask for it.

Select --> **Update Firmware** by using the Arrow buttons. Then press ENTER.

	XS Controll	er
	USB DRIVE DETECTED	
	> Update Fir	mware
	PRESS UP/DOWN KEYS TO PRESS ENTER TO ACCEPT	CHANGE
	ORP: 548 mV	FLOW: ON
(3 ALARMS! DR	RELAYS
	Friday, February 6, 2015	15:50:47 Wk1

Warning: Do not remove power or USB during updating. It may take a few minutes to complete. Once the first update is complete, power off and remove USB. Wait 20-30 seconds to power back on and reinstall the USB after the RUN screen apears and load the firmware a second time.





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After second update is complete, power down and remove USB. Power back on (after 20 seconds) and go to the Configure menu.

>HOME	SETUP<
SETPOINTS	DATE/TIME
CALIBRATION	CONFIGURE
TIMERS	HISTORY
CUSTOMIZE	WATER METER
ALARMS	RELAYS

From here push **SYS INFO** (Button 9) and confirm that the unit now has the new version and that the CARD version is also current (consult factory for current).

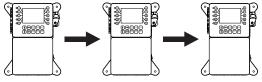
PAS REI	SYSTEM INFORMATION: XS MEGATRON CONTROLLER ADVANTAGE CONTROLS INC. FRMWARE REV: KA.10.03A Jan 29 2018 S/N: SERIAL# CARD VER: 5
HIS	TORY SYS INFO
FLO	W SW FACTORY



Warning: If the card revision has not updated to the newer version, the sensor function will not work correctly. A few power cycles may be needed to get the system card updated. The mA input and communications card (if present) may need to be removed with the power off and a power cycle performed. Once the system card version is updated, power back down and reinstall the mA and communications cards.

Cloning User Settings for other XS Units

The XS has the ability to copy the User Settings from one XS to another. This process is referred to as cloning.



Step 1:

With the controller powered up, plug the USB drive into the XS USB port. The USB DRIVE DETECTED

pop-up window will appear. Select --> **Config** --> **USB** (Config to USB) by using the Arrow buttons. Then press ENTER.

		XS C	Controll	er	
	USB DE	RIVE DETE	CTED		
		> Co	onfig>	USB	
		UP/DOWN ENTER TC	KEYS TO ACCEPT	CHANGE	
	ORP:	548	mV	FLOW: ON	
(3 A.	LARMS!	$) \underline{DR} \subset$	RELAYS	\square
	Friday,	February	7 6 , 2015	15:50:47	Wk1

The User settings will be saved to the USB drive under the file name "CONFIG.BIN". The pop-up window will close when the copy is completed.

Step 2:

Plug the USB drive into the XS that you would like to copy the User Settings to. The USB DRIVE DETECTED pop-up window will appear.

Select --> USB --> Config (USB to Config) by using the Arrow buttons. Then press ENTER.



CAUTION: Do not choose --> Config --> USB again or you will save over your USB contained CONFIG.BIN file.

_	
Γ	XS Controller
	USB DRIVE DETECTED
H	> USB> Config
	PRESS UP/DOWN KEYS TO CHANGE PRESS ENTER TO ACCEPT
	ORP: 548 mV FLOW: ON
	3 ALARMS! <u>DR</u> RELAYS
	Friday, February 6, 2015 15:50:47 Wk1

The User Data will be loaded into the XS from the USB drive. Once the pop-up window closes, cloning has been completed.

Notes:

- Not all customized names will be cloned.
- If you have trouble reading clone files, insure that the XS you are cloning has current firmware.

