

APPLICATION NOTE

APP #113 - Upgrading MCS-CONNECT

UPGRADING MCS-CONNECT on MCS-TOUCHSCREENS

Table of Contents

Capacitive Touch	2 to 5
Resistive Touch	6 to 13

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

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5.2.1.2. Setting a 'Static IP Adress'

On screen 7, click on 'IPV4 Settings'. Then to set a static IP address change the Method to 'Manual'. Create a new IP address by clicking under the 'Address' column. Enter the IP address (Address), Subnet Mask (Netmask), and Default Gateway (Gateway). Then click 'Save' to save these settings. The touchscreen will have to be rebooted for these settings to take effect.





Note:

Subnet Mask will change to it's CIDR form, e.g., 255.255.255.0 is the equivalent to 24 in CIDR notation.

SECTION- 6. Update MCS-CONNECT for Capacitive Touch

NOTE: MAKE SURE YOU DOWNLOAD THE LATEST LINUX VERSION OF MCS-CONNECT FROM OUR WEBSITE AT:

http://www.mcscontrols.com/software.html

This will walk you through updating MCS-CONNECT on your Capacitive touch screen.

- 1. Format a new USB drive prior to installing this update, insert into your computer.
- 2. Go to the MCS-WEBSITE and down the latest MCS-CONNET for your touchscreen.



Please Note

Locate the Serial Number on your touchscreen board and follow the installation procedure for proper deployment.

- 3. Save the correct file to the attached USB drive on your computer.
- 4. Insert the USB drive into the back of the touchscreen.

On back of touchscreen, locate the USB PORT as shown on screen 2 and insert the USB drive with the new version of MCS-CONNECT.



The below screen will appear, click OK.

MCS USBTool		- OX
Installer to run: Graphics to copy:	MCS-Connect_18_40_12_Yocto_Installer.jar None	
Open in File Explorer		ОК

5. Click 'Next" to continue.



6. Click to accept terms of license agreement, click 'Next' to continue.



7. Select the installation path as shown.

👬 Installation of	MCS-Connect 18.40.12		- O X
CMICRO CONTROL SYSTEMS			
	Select an installation path:		Denue
	opumesimes-connect		<u>B</u> rowse
	St <mark>ep 3 of 7</mark>	Previous Previous	ct 😵 Quit

8. Next screen, click 'Yes' to update the current version on the touchscreen.

Installation of MCS-Connect 18.40.12	= 🗆 X
CMICRO CONTROL SYSTEMS	
Warning!	■ □ X ke to update your current version?
<u>Yes</u>	

9. Click 'Next', to allow existing Config/Settings, click "Next'.

Installation of M	MCS-Connect 18.40.12		- OX			
MICRO CONTROL SYSTEMS	Existing Config/Settings					
	Personal Settings	Workspace Settings	Graph Data			
	Settings Found	Invalid File	Invalid File			
	 Keep Existing Installation Defaults 	 ▶ ○ Keep Existing ● Installation Defaults 	 ○ Keep Existing ● Installation Defaults 			
	Step 4 o <mark>17</mark>	•	us Next Quit			

10. Setup Shortcuts, click to check boxes for Start-Menu and shortcuts on the desktop, click next.

👬 Installation of MCS-Connect 18.40.12	∎ ¤X
MICRO CONTROL SYSTEMS	
Setup Shortcuts	
 Create shortcuts in the Start-Menu Create additional shortcuts on the desktop 	
create shortcut for: © current user	
) all users	
Select a Program Group for the Shortcuts:	Default
	Dolum
Step 5 of 7	Quit

11. Next screen shows progress bar.

Installation of	f MCS-Connect 18.40,12	- 🗆 X
ALICRO		
CONTROL	5	
~		
	A Dack installation programs:	
	W Pack installation progress:	
	[FINISNED]	
	6/6	
E E	Step 6 of 7	Quit

7.2.1 Network Connections Screen

Next display, screen 9-4 shows network communication screen. Your touchscreen will show **'Wired connection'**, click to add.



Screen 5, click to 'Edit' this connection.



Selecting a Device MAC address

- 1. Go to the Ethernet tab.
- 2. Click the drop down arrow on the right side of "Device MAC address:"
- 3. Select the MAC address that has (eth*) at the end. (The number at the end varies).

<u>ه</u>	Edit	ing Ethernet co	onnection 1		- 0 ×
Connectio	on name:	Ethernet connec	tion 1		
General	Ethernet	802.1x Security	IPv4 Settings	IPv6 Set	ttings
Device Cloned MTU:	MAC addro	ess: 00:19:88:0	01:FB:Fs (eth0)		• bytes

7.2.2 Adding IP Address

On screen 6, set '**Method**' to '**Manual**' click on '**IPV4**' than click on '**Address**', enter the IP address, the netmask and gateway addresses. Click to save to touchscreen memory.

Set to Manu	al	Screen 6	LXDE 3.00 F UNLOCKED
On Screen Keypad	Editing Wired connection Connection nume: Wired connection General Ethernet 802.1x Security IPv4 Settings Method: Manual	IPv6 Settings - • ×	Enter Static IP, Netmask &
MCS TOOLS	Addresses Address Netmask Gateway 192.166.10.71 255.255.255.0 192.166.10.1 DNS servers:	Add te Delete lose lose	
	Require IPv4 addressing for this connection Cance Cance	to complete Routes	Click to save
Network Co			09:44

SECTION- 8. MCS-CONNECT

8.1. MCS-CONNECT Shortcut on Desktop

1. Click on the **MCS-Connect**.



- 2. This will launch the MCS-Connect main screen.
- 3. Click on Serial or Ethernet to scan for your controller.

	MCS-Connec	t 17.04.05		
ile Setup Offline Help				
Serial	—Local Networ	k Connections—	Ethernet	
Site Name	-Remote Netwo	ork Connections-		
New Site	-	Conne	ect Remotely	
	⊖ Dialup	© IP (Internet)	O IP Lantronix	

4. Screen below shows available controllers on your network.

MCS-Connect 17.04.0	00 Beta							
ile Setup Offline Rese	Clear Workspace	View Button Bar T	ime Help					
Disconnect	Scan	Graph T	ransmit Cfg	Receive Cfg	Factory	Diagnostic Sav	e Print	
Site Info 84 - ZAM	IL CH #4 0 - N	laster Control	CivicOpera Ch1	1 - PAC480Q3-T3-Z	0 - Soho-Da	y CPM 81 - FWC	410A 1 - WD	TES
			Company bloms	Lipit Model #	Linit Serial #	Installed Date	Cfg Vers	

Cli to t set

SECTION- 9. MCS-CONNECT COMMUNICATION

- 1. At the 'Desktop screen' click on the 'MCS-CONNECT shortcut'.
- 2. Click on 'Setup' at the MCS-CONNECT' screen.

MCS Connect Connect Connections Ethernet Connections Ethernet Connections Ethernet New Site Name New Site Name New Site Olialup O IP (Internet) O IP Lantronix	
ck Setup to move the MCS-CONNECT up	.48

- 3. Next screen is the setup screen for communicating with your controller or PC.
- 4. You can change the "Com port' and 'Baud Rate" depending on how you are communicating with your controller or computer.



SECTION- 10. UPDATE MCS-CONNECT FOR RESISTIVE TOUCH

NOTE: MAKE SURE YOU DOWNLOAD THE LATEST LINUX VERSION OF MCS-CONNECT FROM OUR WEBSITE AT:

http://www.mcscontrols.com/software.html

Download Latest MCS-CONNECT software



Call or email MCS for the password to download the latest **MCS-CONNECT LINUX VERSION** software.

Download to your laptop or computer's desktop or a location where you will be able to copy to a USB drive.

Start by Unlocking the Touchscreen.

1. Click on the **'MCS TOOLS'** folder on the desktop, **'MEMORY LOCK'** sub folder will appear when this file is opened.



- 2. Double click on the 'Memory lock' folder
- 3. Double click on the 'Unlock_Memory.sh' icon
- 4. Next screen, click on 'Execute'
- 5. Touchscreen will perform a restart



PLUG IN USB DRIVE AS SHOWN

On back of touchscreen, locate the USB PORT as shown on screen 2 and insert the USB drive with the new version of MCS-CONNECT.



Copy the Updated File

- 1. After plugging in the USB drive, the following screen will appear, click ok to open in File Manager.
- 2. When the drive opens, drag the 'MCS-CONNECT installation file' to the desktop.



- 3. Close the screen so you can access the desktop.
- 4. Double click on the 'MCS-CONNECT installation file' you just dragged to your desktop to upgrade.

5. Click next to continue installing the new 'MCS-CONNECT installation

*	Installation of MCS-Connect 17.11.04	Screen 3		
MICRO CONTROL SUSTEMS	Welcome to the MCS-Connect S	Welcome to the MCS-Connect Setup Wizard		
	This will install MCS-Connect 17,11,04 on your computer			
	To continue with the installation, press next. To stop the installation, press quit			
	Step 1 of 7	Next Quit		

6. Accept the terms for the 'license agreement', click next to continue.

Installation of MCS-Connect 17.11.04			
0	Please read the following license agreement cares Screen 4		
C CONTROL SYSTEMS	End-User License Agreement for MCS-Connect This End-User License Agreement (EULA) is a legal agreement between either an individual or a single entity and the mentioned owner (Micro Control Systems) of this Software for the software product identified above, which includes computer software and may include associated media, printed materials, and "online" or electronic		
	documentation ("MCS-Connect"). By installing, copying, or otherwise using MCS-Connect, you agree to be bounded by the terms of this EULA.		
	If you do not agree to the terms of this EULA, do not install or use the SOFTWARE PRODUCT. SOFTWARE PRODUCT LICENSE		
	a) MCS-Connect is being distributed for commercial use with MCS products. It may be included with CD-ROM/DVD-ROM distributions. You are NOT allowed to make a charge for distributing this Software (either for profit or merely to recover your media and distribution costs) whether as a stand-alone product, or as part of a compilation or anthology, nor to use it for supporting your business or customers. It may be distributed as long as no part of it is changed in any way.		
	1. GRANT OF LICENSE. This EULA grants you the following rights: Installation and Use. You may install and use an unlimited number of copies of the MCS-Connect. Reproduction and Distribution. You may reproduce and distribute an unlimited number of		
	 I accept the terms of this license agreement. I do not accept the terms of this license agreement. 		
	Step 2 of 7		

Revision History

Date	Author	Description
03-30-16	DEW	Setup Application note
02-22-17	DEW	Additions remove setup file on desktop and trash
10-03-19	DEW	Edits from Bret