Connecting to the iX Controller Using Remote Desktop Connection





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1 Introduction

This manual describes how to connect remotely to a Phase One iX Controller using a Microsoft Windows 10 Remote Desktop Connection.



2 Cable Connections

To connect remotely to a Phase One iX Controller:

1. Connect an iX Controller Ethernet port to the same network used by remote computer.



3 Setting a User Password on the iX Controller

Note

You must set a user password on the iX Controller in order to connect to it using **Remote Desktop Connection**.

If a user password is not yet defined, create it as follows:

1. In the Windows search box, type **sign** and tap **Sign-in options.**

A	II Work A	Apps	Documents	Web	Mo			
Best match								
Sign-in options System settings								
Sett	ings							
Q	Set up finger	print sig	yn -in		>			
€	Start Magnifier automatically after > sign-in							
Q	Change your	passwo	ord		>			
Q	Change the s	ign-in r	equirements		>			
\$	Core isolatior	n			>			
Sea	rch work and we	eb						
Q	sign - See worl	k and we	b results		>			
Phase One suggestions								
	Office Online				>			
	Outlook Web Access			>				
Q	sign-in option	ns						



2. Tap Password.

3. Tap **Add.**



- 4. In the first text box, enter a new password, then reenter it in the next text box.Optional: enter a password hint to help you recall the password in case you forget it.
- 5. Tap Next.





6. Tap Finish.





4 Enabling Remote Access on the Phase One iX Controller

 On the iX Controller, in the Windows search box, type allow remote c and tap Allow remote connections to this computer.



2. In the For developers window, scroll down to Remote Desktop and in the Change settings to allow remote connections to this computer row, tap Show settings.

Fc	r developers	onow octungo
~	Change settings to show empty drives	Show settings
	Apply	
Rei	note Desktop	
App mac	ly the following settings to enable Remote Desktop ar hine availability.	nd ensure
	Change settings to allow remote connections to this computer	Show settings
	Change settings to allow connections only from computers running Remote Desktop with Network Level Authentication	Show settings
	Change settings to allow connections only from computers running Remote Desktop with Network Level Authentication Change settings so that the PC never goes to sleep when plugged in	Show settings
	Change settings to allow connections only from computers running Remote Desktop with Network Level Authentication Change settings so that the PC never goes to sleep when plugged in Change settings so that the PC never hibernates when plugged in	Show settings Show settings Show settings



- 3. Tap Allow remote connections to this computer.
- 4. Select the Allow connections only from computers running Remote Desktop with Network Level Authentication (recommended) checkbox.
- 5. Tap OK.
- 6. Close the For developers window.

System Propertie	s				×
Computer Name	Hardware	Advanced	System Protecti	on Remo	te
Remote Assist	ance				
Allow Remo	ote Assistanc	ce connection	ns to this compute	er	
What happens	when I ena	ble Remote /	Assistance?		
				Advanced	I
Remote Deskt	ор				
Choose an opt	ion, and the	n specify who	can connect.		
O Don't allow	remote con	nections to th	is computer		
Allow remote	e connectio	ns to this cor	nputer		
Allow connections only from computers running Remote Desktop with Network Level Authentication (recommended)					
Help me choos	<u>se</u>			Select Use	rs
		OK	Canc	el	Apply



5 Using Dynamic or Static IP Addresses on iX Controller

You can connect to the iX Controller using the dynamic IP address generated each time the iX Controller is booted, or define a static IP address that never changes.

This section describes how to discover the iX Controller's dynamic address and how to configure a static address for the iX Controller.

5.1 Discovering the iX Controller's Dynamic IP Address

1. In the Windows search box, type **cmd** and tap **Command Prompt**.

A	Apps Document	s Settings	Photos			
Best	match					
	Command Prompt App					
Арр	s					
-	x86 Native Tools Com for VS 2019	mand Prompt	>			
	x86_x64 Cross Tools C Prompt for VS 2019	ommand	>			
•	Developer Command 2019 (2)	Prompt for VS	>			
Sear	ch the web					
Q	cmd - See web results		>			
Q	cmd					



Note the IPv4 Address.

3. Close the **Command Prompt** window.



5.2 Setting a Static IP Address for iX Controller

To prevent the IP address from changing, you need to define a static IP address.

To define a static IP address:

1. In the Windows search box, type **view n** and tap **View network** status and tasks.



3. Tap and hold the active connection and tap Properties.





😨 Control Panel\Network and Internet\Network Connections





4. Tap Internet Protocol Version 4 (TCP/IPv4) and tap Properties.

🏺 Ethernet 3 Properties	×			
Networking Sharing				
Connect using:				
LAN7850 USB 2.0/HSIC to Ethemet 10/100/1000 Adapte				
Configure This connection uses the following items:				
Client for Microsoft Networks File and Printer Sharing for Microsoft Networks Procap Packet Driver (NPCAP) QoS Packet Scheduler QoS Packet Scheduler				
Microsoft LLDP Protocol Driver				
Install Uninstall Properties				
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.				
OK Cancel				

5. Tap Use the following IP address checkbox.

- 6. Type an IP address compatible with the remote computer network definitions (find the remote computer IP definition by running ipconfig as described in Section 5.1 - Discovering the iX Controller Dynamic IP Address). Enter a similar IP address by modifying only the last segment of the address and make sure that IP address does not already exist in the network.
- 7. If the Subnet mask field is not filled in automatically, type 255 255 0 0.
- 8. Default gateway if the host computer is using a default gateway, enter the same IP address here.

You can get IP settings assigned automatically if your network administrator for the appropriate IP settings. Obtain an IP address automatically Obtain an IP address: IP address: Subnet mask: Default gateway: Obtain DNS server address automatically Obtain DNS server address automatically Obtain DNS server: Alternate DNS server: Alternate DNS server: Alternate DNS server: OK Cancel	General						
Obtain an IP address automatically ● Use the following IP address: IP address: Subnet mask: Subnet mask: Obtain DNS server address automatically ● Use the following DNS server addresses: Preferred DNS server: Alternate DNS server: ✓ ✓ Validate settings upon exit OK	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.						
	Oot	otain an IP address automati	cally				
IP address: Subnet mask: Default gateway: Obtain DNS server address automatically Obtain DNS server addresses: Preferred DNS server: Alternate DNS server: Validate settings upon exit Advanced OK Cancel	- 🖲 Us	e the following IP address:					
Subnet mask: Default gateway: Obtain DNS server address automatically • Use the following DNS server addresses: Preferred DNS server: Alternate DNS server: Alternate DNS server: Validate settings upon exit OK	IP ac	ldress:					
Default gateway: Obtain DNS server address automatically Use the following DNS server addresses: Preferred DNS server: Alternate DNS server: Validate settings upon exit Advanced OK Cancel	Subr	et mask:					
Obtain DNS server address automatically Use the following DNS server addresses: Preferred DNS server: . Alternate DNS server: . Alternate DNS server: . Alternate Settings upon exit Advanced OK Cancel	Defa	ult gateway:					
Use the following DNS server addresses: Preferred DNS server: Alternate DNS server: Validate settings upon exit Advanced OK Cancel	Ot	otain DNS server address aut	tomatica	ally			
Preferred DNS server: . . Alternate DNS server: . . Validate settings upon exit Advanced OK Cancel	Use the following DNS server addresses:						
Alternate DNS server: . Validate settings upon exit Advanced OK Cancel	Prefe	erred DNS server:					
Validate settings upon exit Advanced OK Cancel	Alter	nate DNS server:					
OK Cancel	V	alidate settings upon exit				Adv	vanced
					OK		Cancel

Internet Protocol Version 4 (TCP/IPv4) Properties

Internet Protocol Version 4 (TCP/IPv4)	Properties X				
General					
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.					
Obtain an IP address automatical	У				
• Use the following IP address:					
IP address:	10.00.00.00.00				
Subnet mask:	100 00 00 00 0 0				
Default gateway:					
Obtain DNS server address auton	natically				
• Use the following DNS server add	resses:				
Preferred DNS server:					
Alternate DNS server:					
Validate settings upon exit	Advanced				
	OK Cancel				



9. Close all network windows.

Note

A port with a static IP address usually cannot be use for connecting to the Internet (depends on network configuration) If ethernet access is required, use the other ethernet port.



6 Connecting to the iX Controller

To connect to the iX Controller:

1. In the Windows search box, type **rdc** and tap/click **Remote Desktop Connection**.

- 2. In **Computer**, type the iX Controller IP address (dynamic or static).
- 3. In User name, type the user name (default: User).
- 4. Tap/click Connect.



Hide Options
 Connect
 <u>H</u>elp



5. Enter your password, select the **Remember me** checkbox and tap/click **OK**.

Windows Security	×				
Enter your credentials					
These credentials will be used to connect to					
User					
•••••	୕				
AVEW10\User					
Remember me					
More choices					
ОК	Cancel				

- 6. If an authentication window appears:
 - a. Select the **Don't ask me again for connections to this computer** checkbox (optional).
 - b. Tap/click Yes.

semote Desktop Connection	<
The identity of the remote computer cannot be verified. Do you want to connect anyway?	,
The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.	
Name in the certificate from the remote computer: iXC020046	
Certificate errors	
The following errors were encountered while validating the remote computer's certificate:	
The certificate is not from a trusted certifying authority.	
Do you want to connect despite these certificate errors?	
Don't ask me again for connections to this computer	
View certificate Yes No	

- 7. You are now connected to the iX-Controller.
- 8. When you finished working on the iX Controller, tap/click the X on the remote desktop connection bar at the top of the screen.



