Get started - Connections

Set up the network connection

<- ->

-

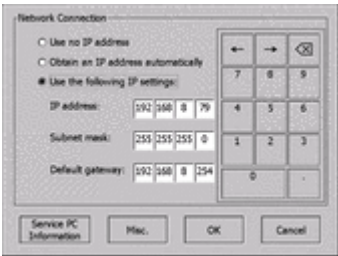|	
When do I need to setup the network connection?	You need to setup the controller's network connection when the controller is connected to a network for the first time or when the network addressing scheme changes.
Preparations	If an IP address is to be obtained automatically, make sure there is a server running that supplies the network with IP addresses (a DHCP server). Otherwise you will not be able to access the controller via the controller network. It is still possible to access the controller via the service PC connection.
Network connection dialog box	The illustration shows the network connection dialog box.

Set up the network connection

Regardless of how you choose to set up the network connections, the first steps are common:

	Action	**Info**
1	Perform an X-start to start the Boot Application.	How to perform an X-start is detailed in section Restart and select another system (X-start).
2	In the Boot Application, tap **Settings**. The network connection dialog is displayed.	
3	If you choose to use no IP address, then tap **Use no IP address**. Otherwise, proceed below!	In some cases it can be useful to disconnect the controller from the network, without disconnecting the network cable. Without IP address the controller cannot be accessed from other equipment on the same network.
4	If you choose to obtain an IP address automatically, then tap **Obtain an IP address automatically**. Otherwise, proceed below!	
5	If you choose to use a fixed IP address, tap **Use the following IP address**. Enter the IP address, subnet mask, and default gateway.	**Note** Make sure a valid address is used so there are no conflicts in the network. A conflict may cause other controllers to malfunction **Note** Do not use leading zeros in the numbers in IP settings. A number with a leading zero is interpreted as an octal number.

Action	**Info**
6 Tap **OK** to save the new setting.	
7 In the Boot Application, tap **Select System** and select the system to restart.	How to select a system is detailed in section <u>Selecting system</u>.
8 In the Boot Application, tap **Restart Controller** and tap **OK** to restart the controller with new settings.	**Note** You can verify the new settings by tapping **ABB -> System Info -> Controller properties -> Network connections -> LAN**