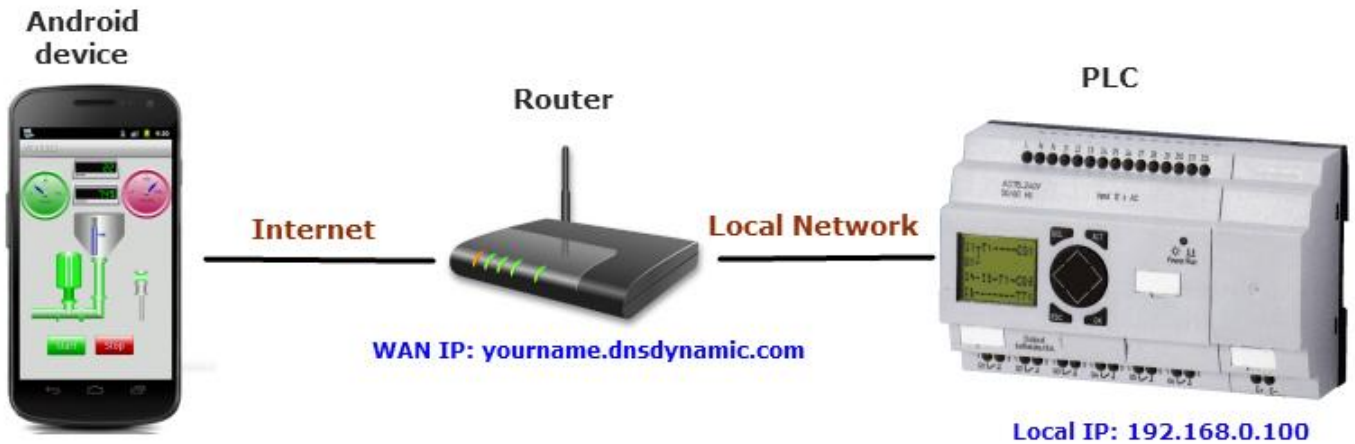


Network settings for remote access.

TeslaModbusSCADA is designed to communicate with PLCs without using dedicated servers or any specific software installed on a PC. TeslaModbusSCADA communicates with PLCs by using Modbus TCP(UDP) protocol commands.

To establish a remote connection, a GPRS or DSL router is needed at the PLC site, which will act as a bridge between the LAN (Local Network) where the PLC is installed and the WWAN or WAN (Internet) to which a remote Android device will have access to. This figure shows a standard setup.



1. Determine the LOCAL IP address of the GPRS or ADSL router. PLCs need to know the router address as it is the gateway to the internet. Enter this IP in Modbus/TCP based device settings.
2. Now log into the GPRS or DSL Router and configure NAT options to set up a bridge between the WAN and your PLC local address and port. 502 is default port for Modbus/TCP device. Protocol on the router must be set to TCP/IP. Look at your router documentation for details.
3. If you have a fixed IP address enter it as such in TeslaModbusSCADA in Connection settings page.
4. If your router access the WAN through a dynamic IP then you must create an account with a dynamic DNS services provider such as www.dnsdynamic.org or www.dlinkddns.com for example, and configure your router to notify of IP changes (see example below). In this case, enter in TeslaModbusSCADA the name you chose for your dynamic DNS. The port number must still be the one configured in the NAT section of your router.

DYNAMIC DNS SETTINGS	
Enable DDNS :	<input checked="" type="checkbox"/>
Server Address :	dlinkddns.com(Free) ▼
Host Name :	teslascada.dlinkddns.com
Username :	fatkhirus
Password :	••••••••
<input type="button" value="DDNS Account Testing"/>	