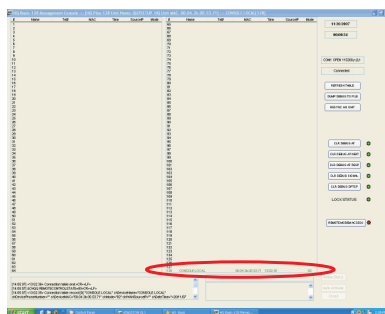


LAVA HQ Plus Quick Install

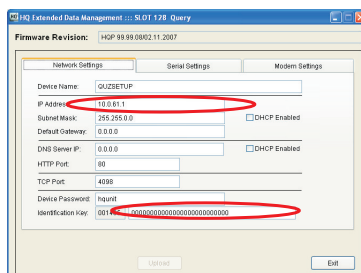
LAVA recommends installing an HQ Plus before setting up an ST Plus. To set up an HQ Plus for polling you will need:

- polling software [not supplied]
- LAVA HQ Basic software
- LAVA HQ Plus with power supply (do not confuse power supply with that of ST Plus)
- Windows-based PC with 2 available COM ports (2 x DB-9) [not supplied]
(two separate computers could also be used for polling software and HQ Basic software if desired)
- one Ethernet cable (CAT-5 UTP with RJ-45 connectors) [not supplied]
- one straight-through serial cable (DB-25M to DB-9F) [not supplied]
- one straight-through serial cable (DB-9M to DB-9F) [not supplied]

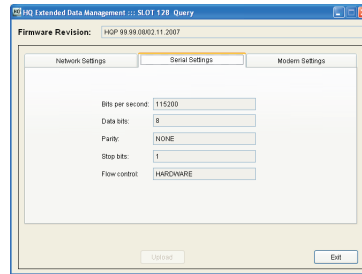
1. Connect the HQ Plus “Console” port to a PC’s COM port using the DB-9M to DB-9F cable. Supply power to the HQ Plus.
2. Install and run the HQ Basic management software on the computer attached to the HQ Plus.
3. Choose the COM port to which the HQ Plus is attached and click “Connect”.
4. Once connected, double-click on the last entry in the table (the entry is named “CONSOLE LOCAL” and denotes the HQ Plus that is currently connected).



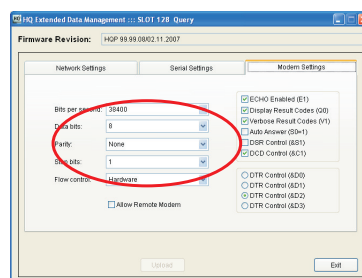
5. In the Network Settings screen that appears, enter at least the following: the IP address of this HQ Plus (factory default is 192.168.0.35) and an Identification Key matching that used by ST Plus units targeting this HQ Plus (factory default is a string of zeros). LAVA recommends changing the Identification Key from this factory default to one personalized to your system for full security.



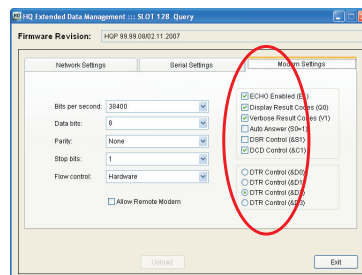
- The default values in the Serial Settings tab are for display only and cannot be changed.



- The serial settings in the "Modem Settings" tab must be set to match those used in the polling generally (that is, those of the ECR, ST Plus, and polling software).



- The modem settings on the right hand side of this tab may not need to be changed, depending on the particular modem requirements of the polling software. LAVA suggests starting with them at their default values.



- Connect the HQ Plus "Modem" port to the PC's second COM port using the DB-9F to DB-25M serial cable.
- Connect the HQ Plus's Ethernet port to the store LAN on which the "Default Gateway" is located.
- Map a TCP port nnnn (default port number is 4098) on the headquarter's gateway to allow control and negotiation data to pass to remote units. Consult your router's documentation for this step.
- Map a TCP port nnnn+1 (default port number is 4099) on the headquarter's gateway to allow modem data to pass to remote units. Consult your router's documentation for this step.
- POLL AWAY!