

2.3. QUICK START CHECKLIST

Read the health and safety warnings in chapter 1.2 *Health and Safety Warnings*.

Setting up the Node G is quick and easy. The following step-by-step procedure provides a quick overview for a correct setup and optimization.

a. Required Equipment

- Node G
- donor antenna
- coverage antenna(s) or distributed antenna system (DAS)
- coaxial cables
- connectors (RF, mains)
- laptop (Win XP or Win 2000) with Ethernet port and mains cable
- data cable (CAT5, 100 MBit).

b. Required Information

Make sure to have the following information at hand:

- important on-site conditions (e. g. BTS location, mains supply, etc.)
- channels to be enhanced / amplified
- data of mandatory fields of Connectivity and Upload page.

c. Procedure

1. Install the donor (linear polarized recommended) and coverage antennas.
2. Install the coaxial cables from the Node G to the antennas.
3. Install the Node G units (Main Unit, Extension Unit); see chapter 3.1 *Mechanical Installation*.

☞ **Note:** Take care to ground the unit correctly as instructed in chapter 3.2.2 *Grounding*.

4. If installing an Extension Unit connect cable between Node G Main Unit and Extension Unit.
5. Connect power and the antenna coaxial cables to the Node G.
6. Open the Main Unit.
7. Establish a connection from the laptop or computer to the DCM.

8. Login to the unit and follow the installation wizard option for easy installation.
 - a. Optimize the donor antenna performance.
 - b. To select the channels for enhancement, choose between the *"Measurement Assisted Channel Assignment"* or *"Unassisted Channel Assignment"* from the Setup Wizard page.
 - c. Enter the desired output power in the downlink.
 - d. Enter the relative uplink gain and click the *"Program"* button.
 - e. Select the *"Connectivity and Upload"* button, to setup the modem (if applicable) and to enter data in the other user fields.
 - f. Select the *"Technician Setup"* button, to change additional system settings, e.g. ICE, frequency hopping, EDGE.
The *"Technician Setup"* is also accessible from the home page.
9. The Node G setup is complete.
10. Open the *"Save Configuration to Laptop"* menu for record keeping purposes.
11. Unplug the computer, close the Node and tighten all screws.

☞ **Note:** To do a power cycle, disconnect the battery pack by pushing the battery disconnect button on the battery charge module.