

## ProRAE Guardian Configuration

1. Start PC
2. Launch ProRAE Guardian
3. Under the "Command Center" tab click on "Data Sources"
4. Within the PTM tab configure the following
  - a. "Serial Port" : Choose the last option in drop down menu
  - b. "Unit IDs" : Make sure the Unit ID of the RAELink3 Mesh Remote units is selected
  - c. "Poll Master Interval(s)" : this setting determines how often the host modem will poll the remote RAELink3 Mesh modems

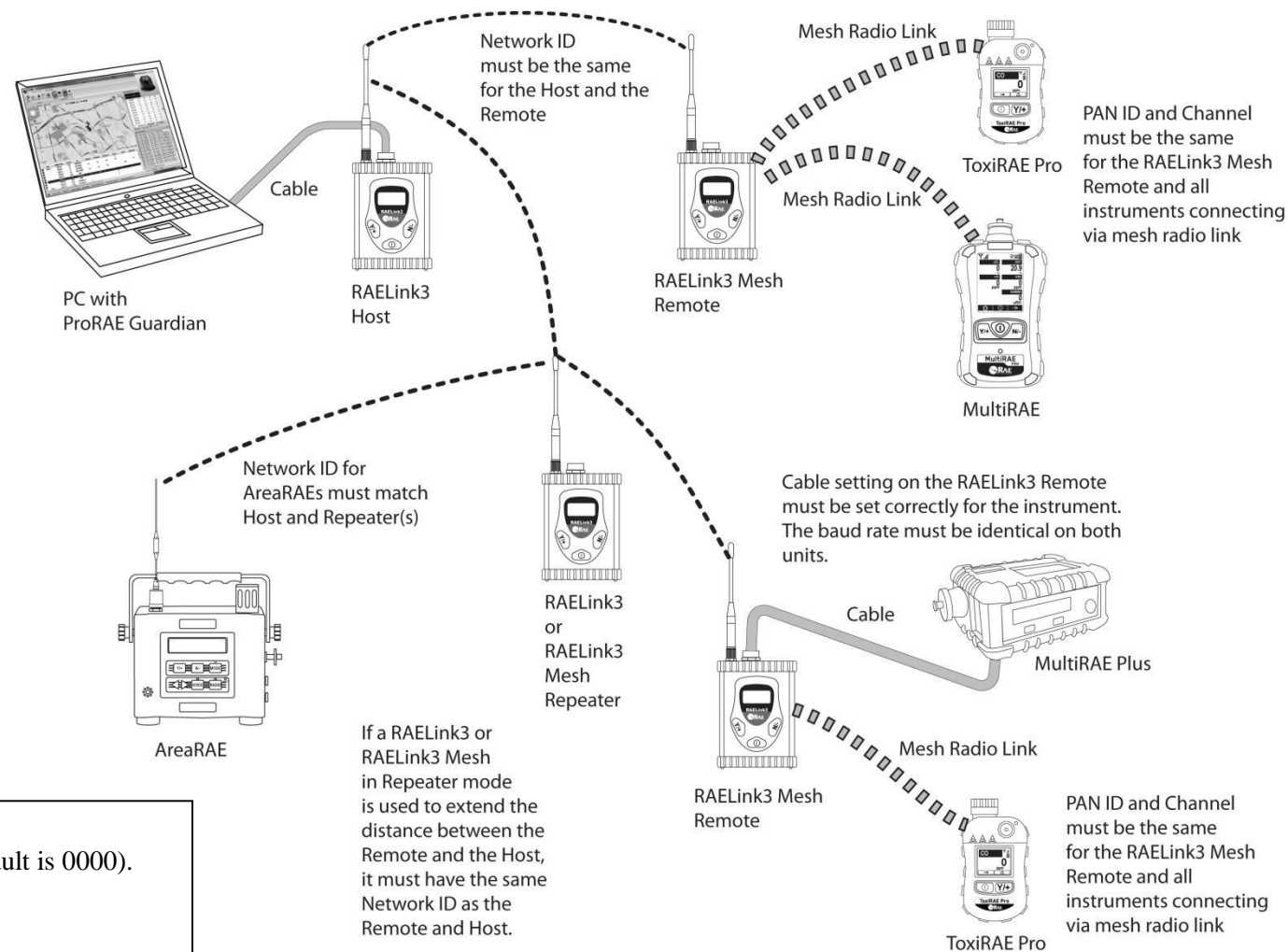
NOTE: "Timeout (ms)" and "Max Retries" settings are recommended to be set default values of '600' and '3'

5. Hit 'Start'

As the instruments are discovered, they should show up in the list in the Devices Information Pane, as well as in the Device List pane. The Google Map (or other map in use) should show the locations of instruments with active GPS.

## RAELink3 Mesh or RAELink3 HOST Configuration

1. Hold down [MODE] and [N/-] to enter Programming Mode (no password is required).
2. Navigate to Op Mode by pressing [N/-].
3. Set the Op Mode to Host.
4. Set the Network ID so that Host and Remote (and Repeater, if necessary) are the same.



## RAELink3 Mesh REMOTE Configuration

### Configure communications with Host:

1. Hold down [MODE] and [N/-] to enter Programming Mode (no password is required).
2. Navigate to Op Mode by pressing [N/-].
3. Set the Op Mode to Remote.
4. Set Network ID to match Host (and Repeater, if necessary).

### Configure cable communications with instrument:

1. Hold down [MODE] and [N/-] to enter Programming Mode (no password is required).
2. Navigate to Op Mode by pressing [N/-].
3. Select the correct cable type.

Use this chart to guide you in choosing the correct setting:

Product	Connection	Setting
ToxiRAE Pro Series	Mesh radio	No setting necessary
MultiRAE Series	Mesh radio	No setting necessary
AP4C	Cable	AP4C
ChemRAE	Cable	ChemRAE
DustTrak2	Cable	DustTrak2
MiniRAE 2000	Cable	Bypass
MultiRAE Plus	Cable	Bypass
ppbRAE Plus	Cable	Bypass
QRAE Plus	Cable	RAE PTP

### Simplified connection rules:

- ToxiRAE Pro series and MultiRAE Series use mesh radio wireless connection.
- All other products use Cable.
- If the name of the product is not listed in the submenu, then you must use Bypass.

**Note:** The only exception is the QRAE Plus, which requires Cable = RAE PTP.

### Configure wireless communications with instrument(s):

1. Enter Programming Mode. A password is required (default is 0000).
2. Navigate to Op Mode.
3. Set PAN ID to match wirelessly connected instrument(s).
4. Set Channel to match wirelessly connected instrument(s).

## ToxiRAE Pro Wireless Configuration

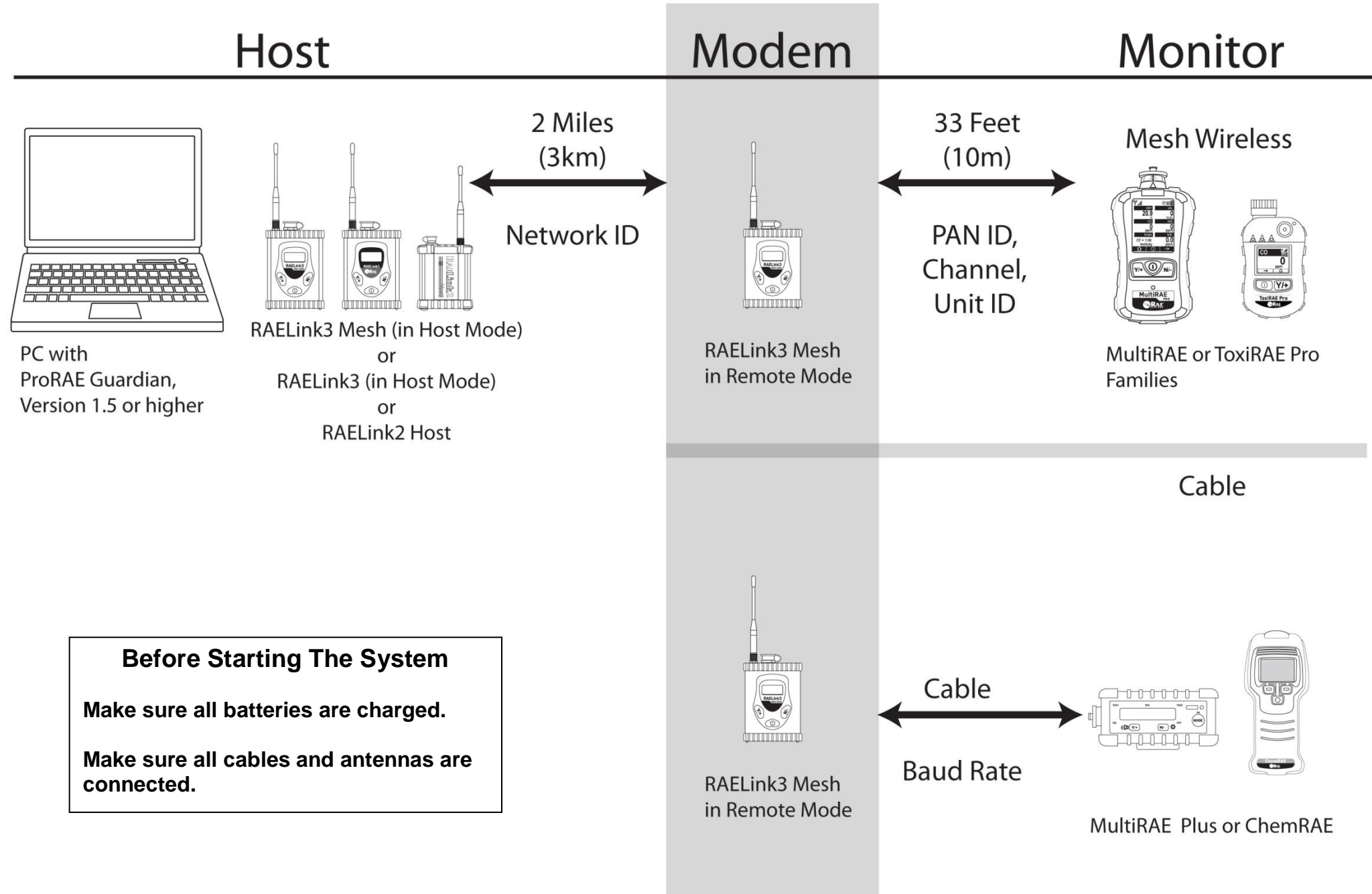
1. Enter Programming Mode. A password is required (default is 0000).
2. Select Monitor Setup.
3. Select Wireless.
4. Turn the radio ON.
5. Set the 3-digit PAN ID to match the RAELink3 Mesh in Remote mode.
6. Set the Channel to match the RAELink3 Mesh in Remote mode.
- 6a. To automatically find the channel of the corresponding RAELink3 Mesh with same PAN ID as the ToxiRAE Pro choose "Join Network."
7. Use the default value for Interval. If you want to change the reporting interval, consult the User's Guide.
8. You may set the Off Network Alarm, if you want to be notified if the instrument goes off network or if the network is shut off.
9. Ignore Factory Reset.
10. Exit the Wireless submenu.

## MultiRAE Wireless Configuration

1. Enter Programming Mode. A password is required (default is 0000).
2. Navigate to Wireless.
3. Turn the radio ON.
4. Set the PAN ID to match the RAELink3 Mesh's PAN ID.
5. Set the Channel number to match the RAELink3 Mesh's Channel number.
- 5a. To automatically find the channel of the corresponding RAELink3 Mesh with the same PAN ID as the MultiRAE, choose "Join Network."

## A

1. Make sure cable between Host modem and computer is connected.
2. Start computer, ProRAE Guardian software, and Host modem.
3. Start Remote modem.
4. Make sure Network ID on Host and Remote modems match.



**Before Starting The System**  
 Make sure all batteries are charged.  
 Make sure all cables and antennas are connected.

## B

1. Turn on instrument(s).
2. Make sure PAN ID and Channel are the same on both Remote modem and instrument.
3. Make sure Unit ID is set on the RAE Link3 Mesh.
4. Make sure radio is on.
5. Select "Join Network."

## C

1. Make sure cable between instrument and Remote modem is connected.
2. Make sure Cable type is set correctly in Remote modem.
3. Turn on instrument.
4. Make sure baud rate is the same on both Remote modem and instrument. Default = 19200.
5. Make sure Unit ID is set on instrument.