Deltanode DAS Quick Guide

Basic installation and configurations

Ver 1.2 20070928

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Health and safety warnings

- Deltanode DAS system is an advanced system and should be handled by skilled staff.

- More added here

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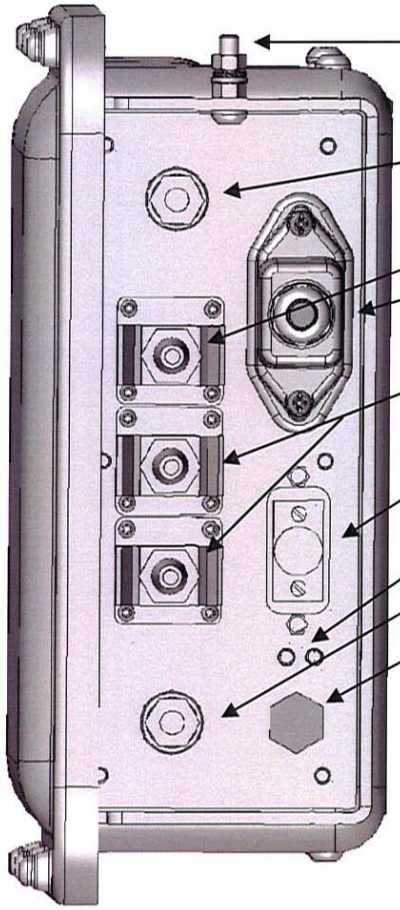
Connections



Ground screw
Antenna connector,Type N
Ethernet Connector
Mains Connector
Optical connector 1 and 2
External alarm connector
LED status green power, red fault
Antenna connector
Gore-Tex Breather

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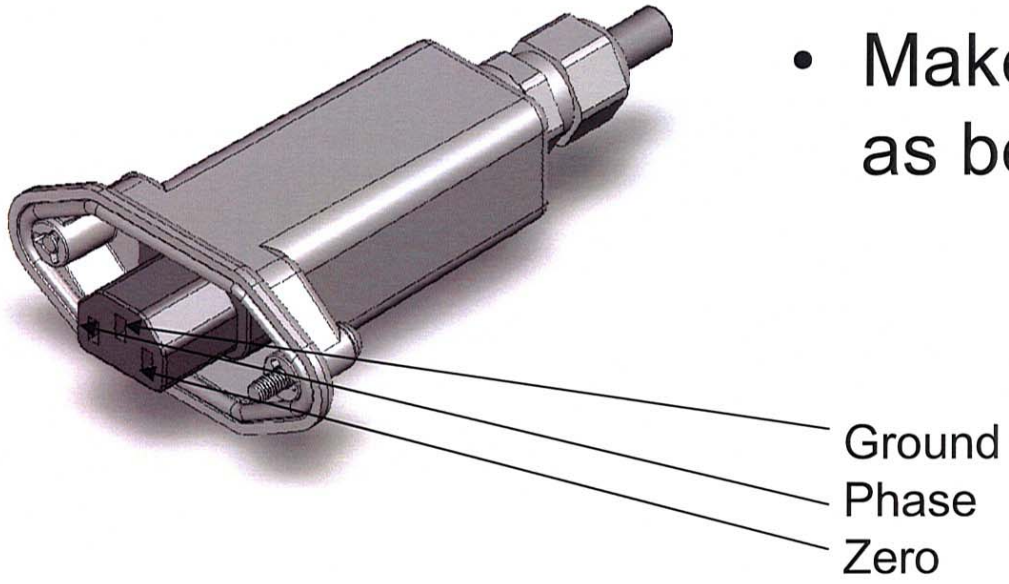
Mains Connector



- Mains Connector weatherproof type
- Make sure to connect as below

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Connector types

- Optical connector: dual fiber inlet with SC/APC cut.
- Ethernet: RJ45 connector If two Fiber Optic boards are used in the Remote Unit you need to have an RJ45 splitter to separate into 2 ethernet channels.
- Antenna: Type N
- Ext alarn: 9-pole IP67 D-sub female connector. Mains: 3 pole C14 connector

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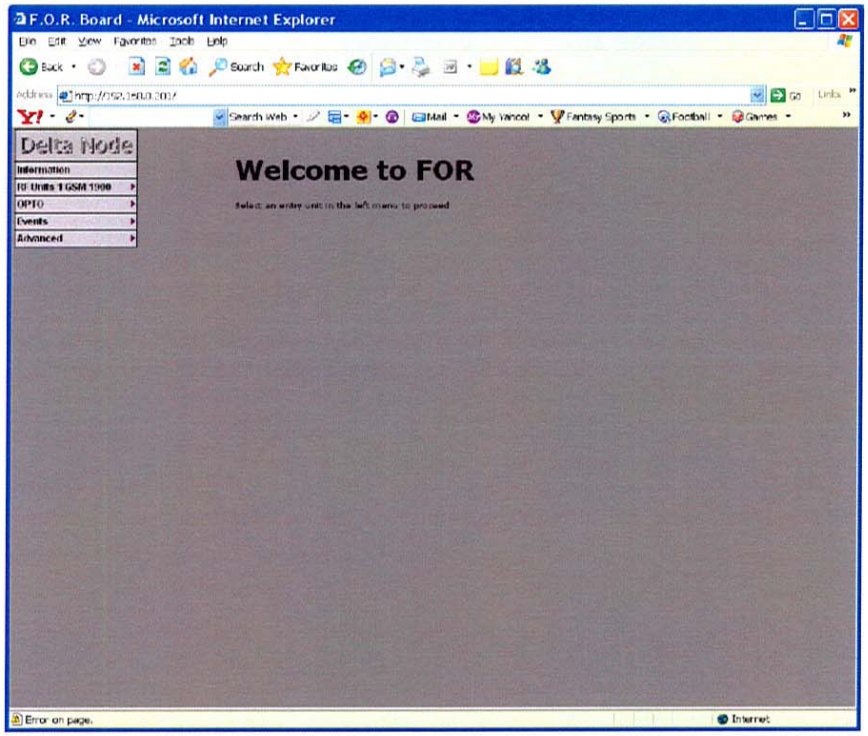
Welcome to FOR



- Type IP adress 168.192.0.201 to access FOR if the PC is connected to the Remoteunit
- First page after log-in
- Webserver for the remote unit is in the FOR (Fiber optic Remote)

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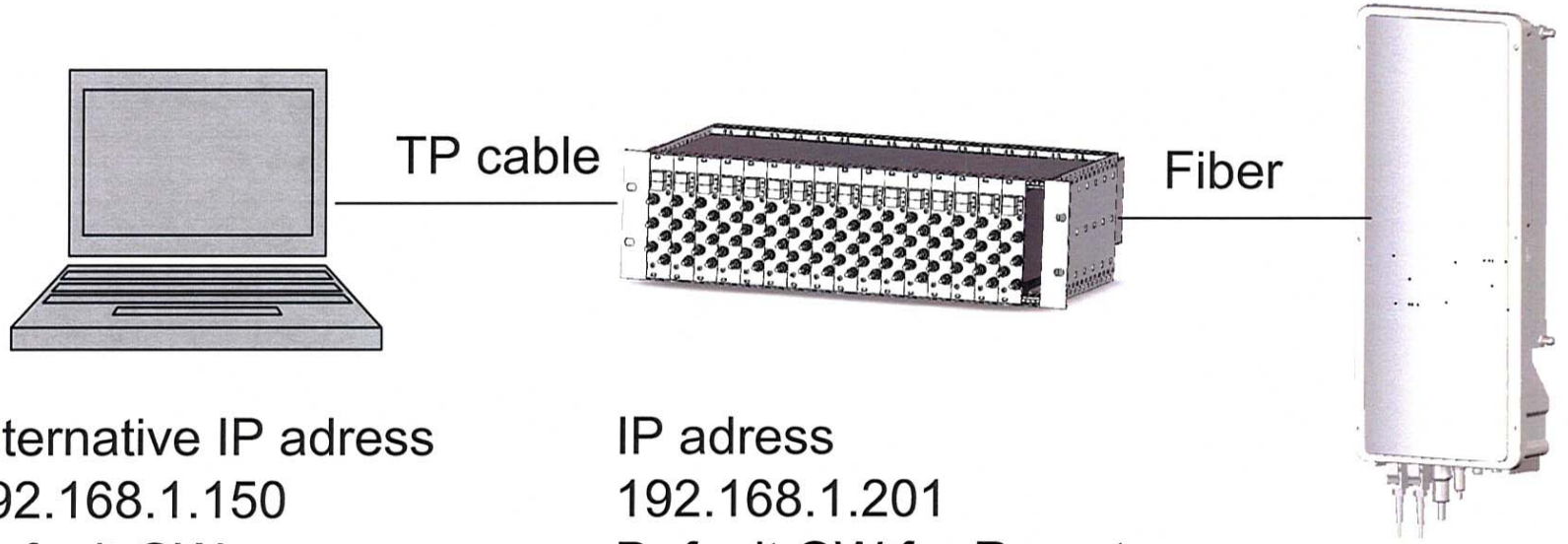
Manually configured, remote over fiber



Alternative IP adress
192.168.1.150
Default GW
192.168.1.201

IP adress
192.168.1.201
Default GW for Remote
Located at FOI

IP adress
10.0.34.8

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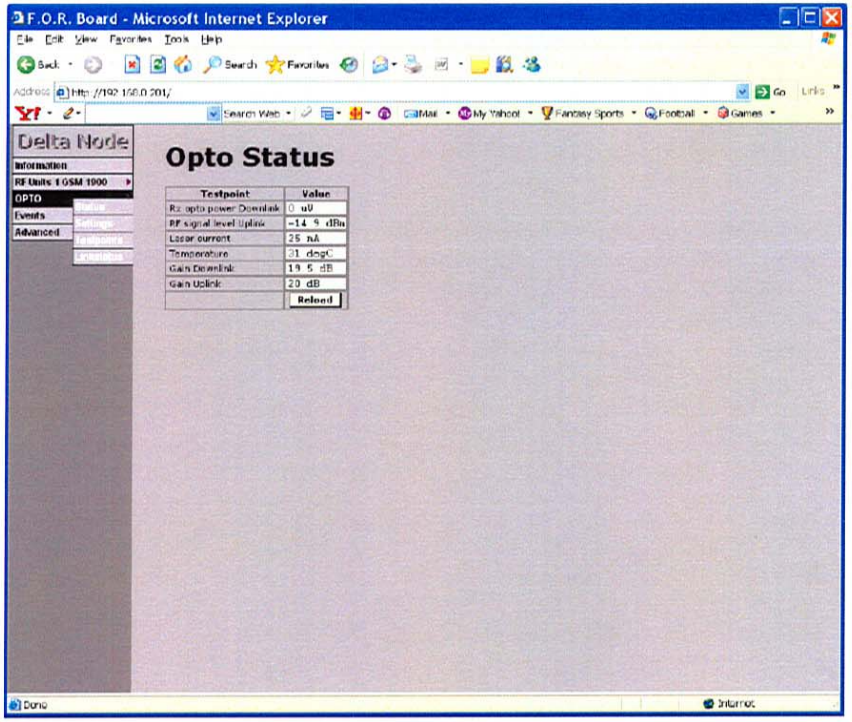
Opto, Status



- Shows values at FOR board
- RF signal level uplink shows uplink power into the laser diode.

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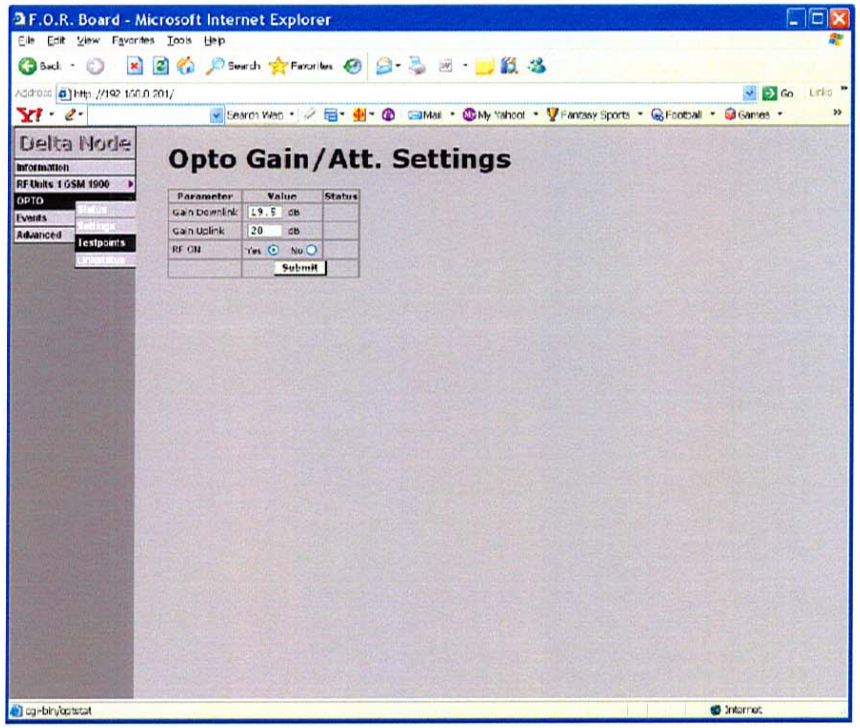
Opto, Settings



- Set FOR board gain measured as opto signal in and RF signal out to VGA and vice versa for uplink
- Max 20 dB
- 0,5 dB steps

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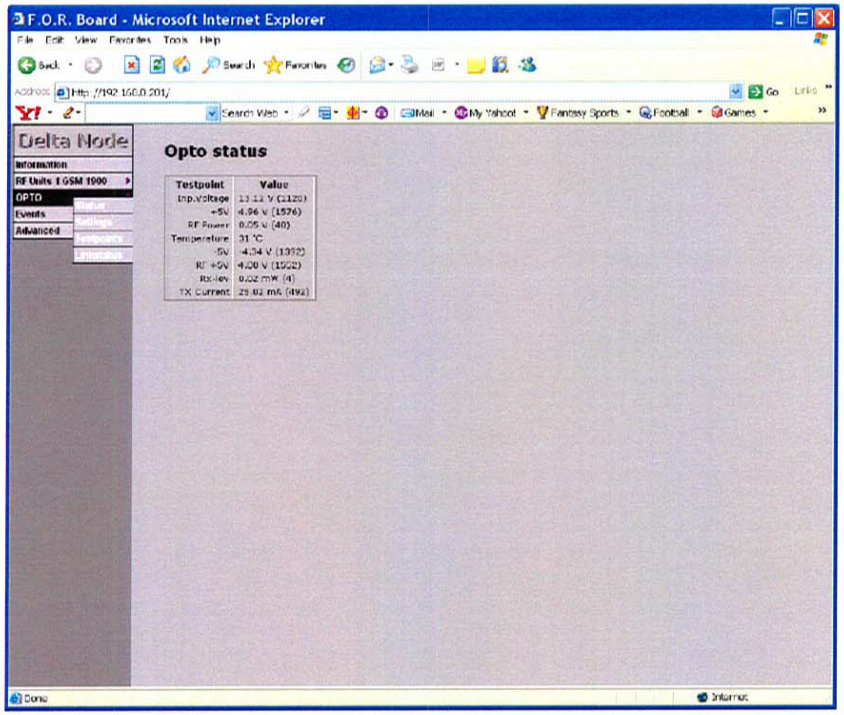
Opto, Testpoints



- Testpoints at the FOR Board

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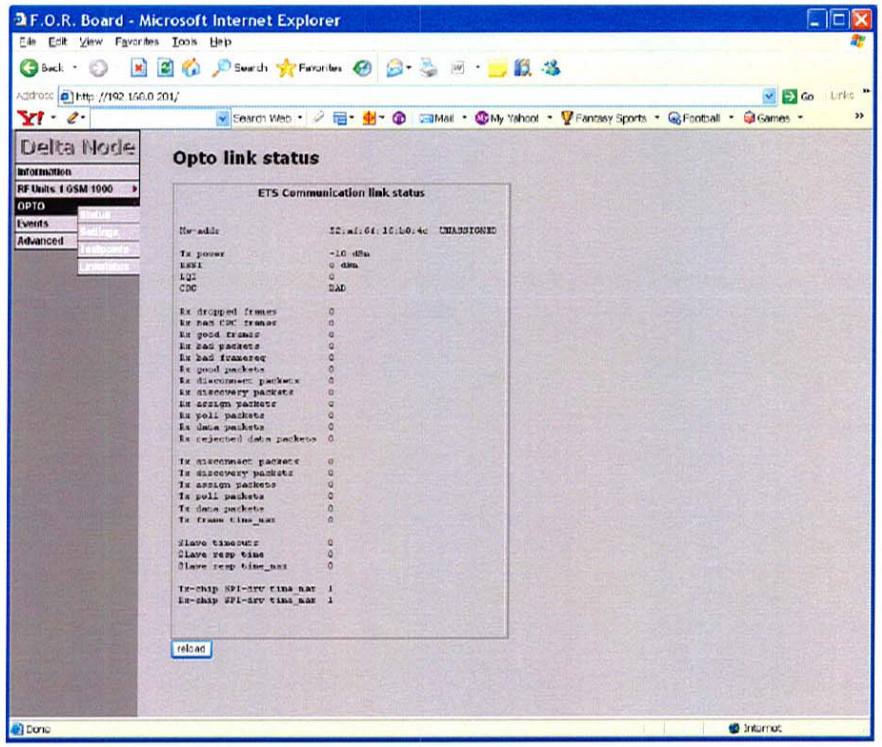
Opto, Link status



- Shows status of the communication link on the fiber

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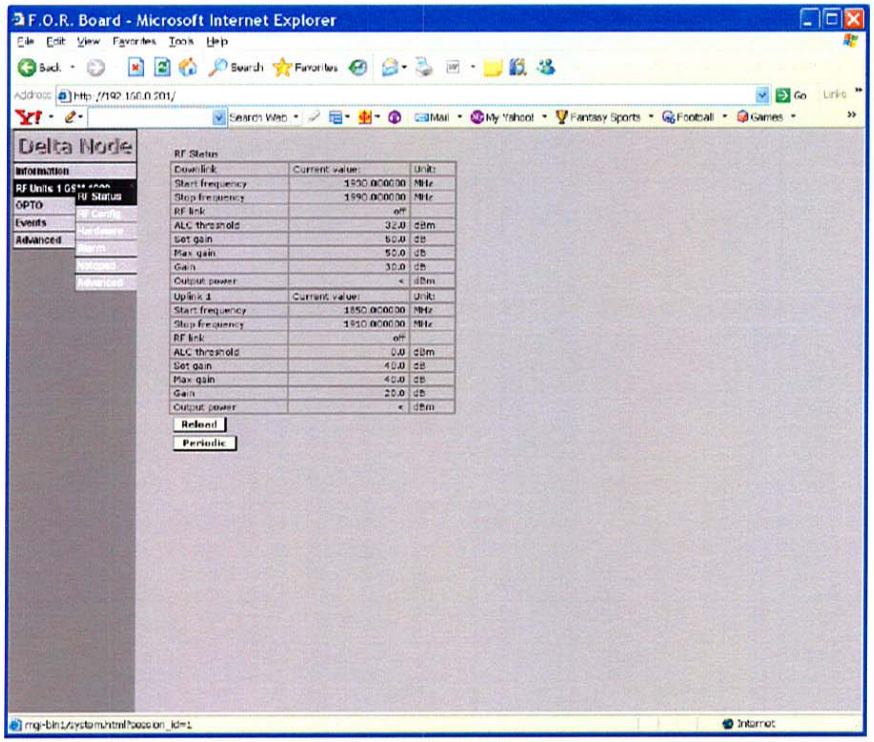
RF Unit, RF status



- Status menu
- Shows measured values at the remote's RF parts

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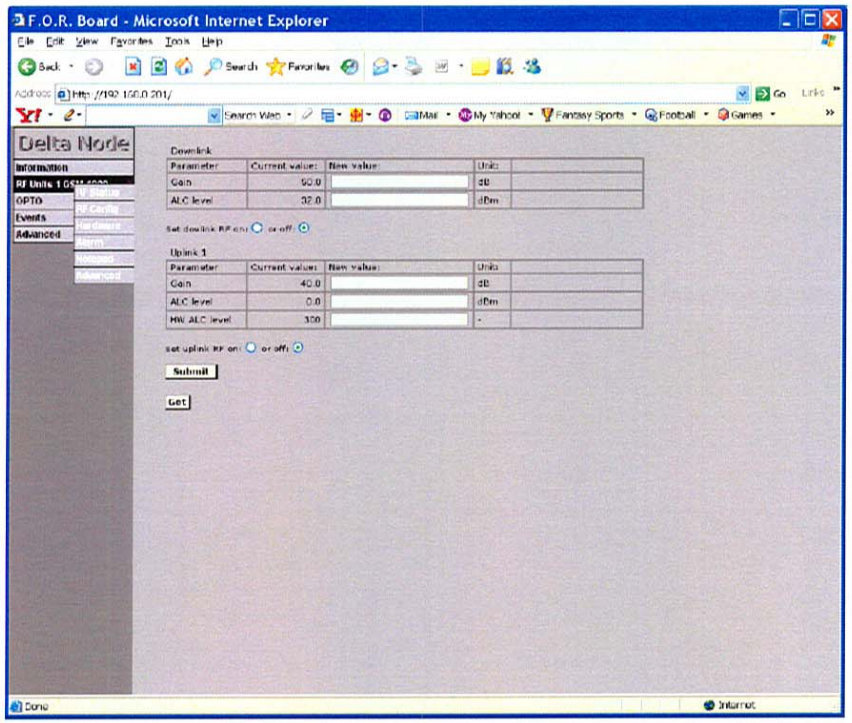
RF Unit, RF Config



- Set RF gain downlink (from FOR board output to antenna connector) max ~80 dB
- Set RF gain uplink (from antenna connector to FOR board input) max ~50 dB
- Set ALC threshold in dBm for downlink
- Set threshold is related to the antenna connector for the downlink ALC. The signal level corresponds to output from VGA for uplink

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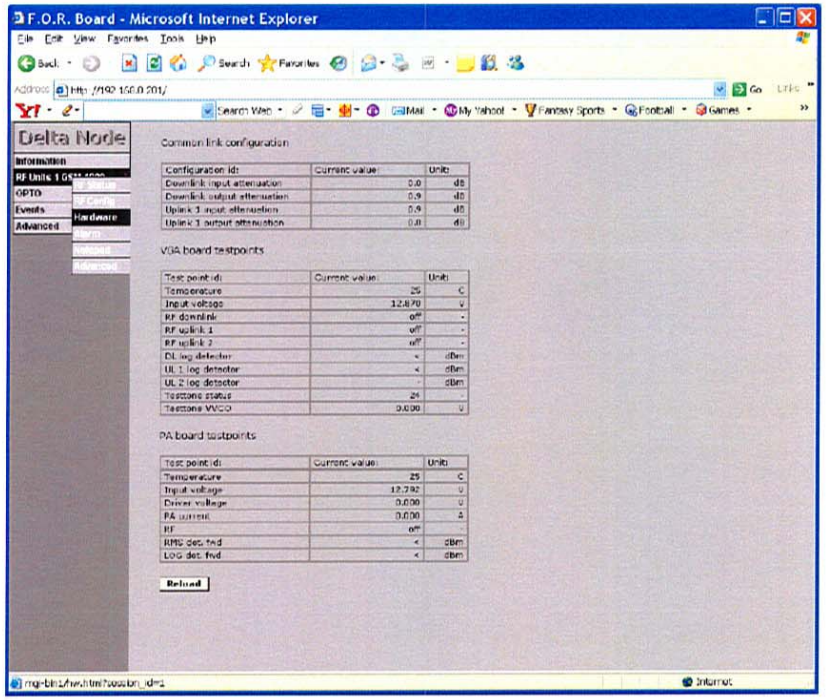
RF Unit, Hardware



- Shows factory set configurations
- Shows testpoints

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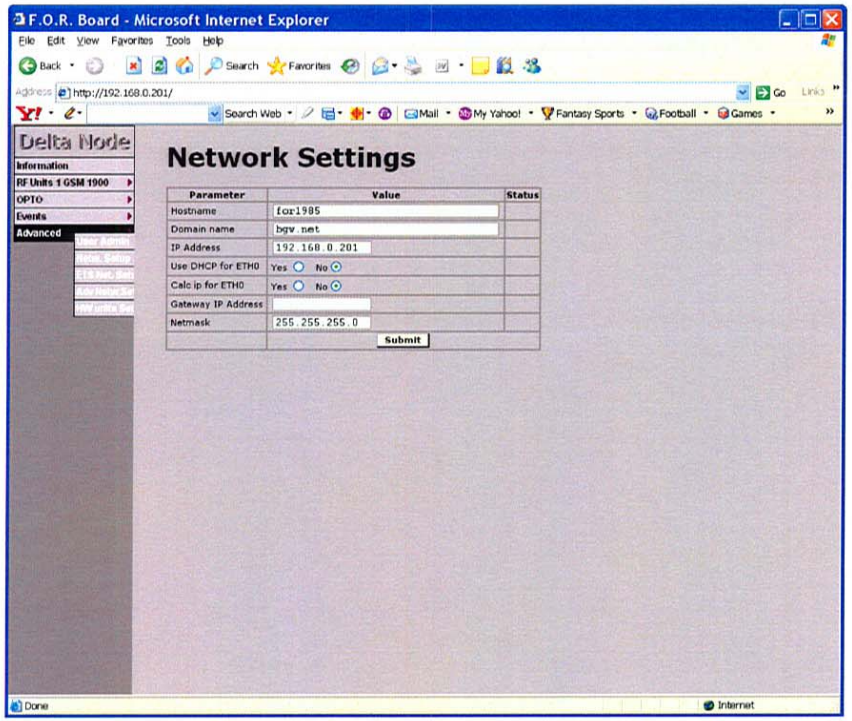
Advanced, Network settings



- Enter IP settings for the Remote unit 192.168 series
- When BGW is used set DHCP and Calc IP in ”Yes”

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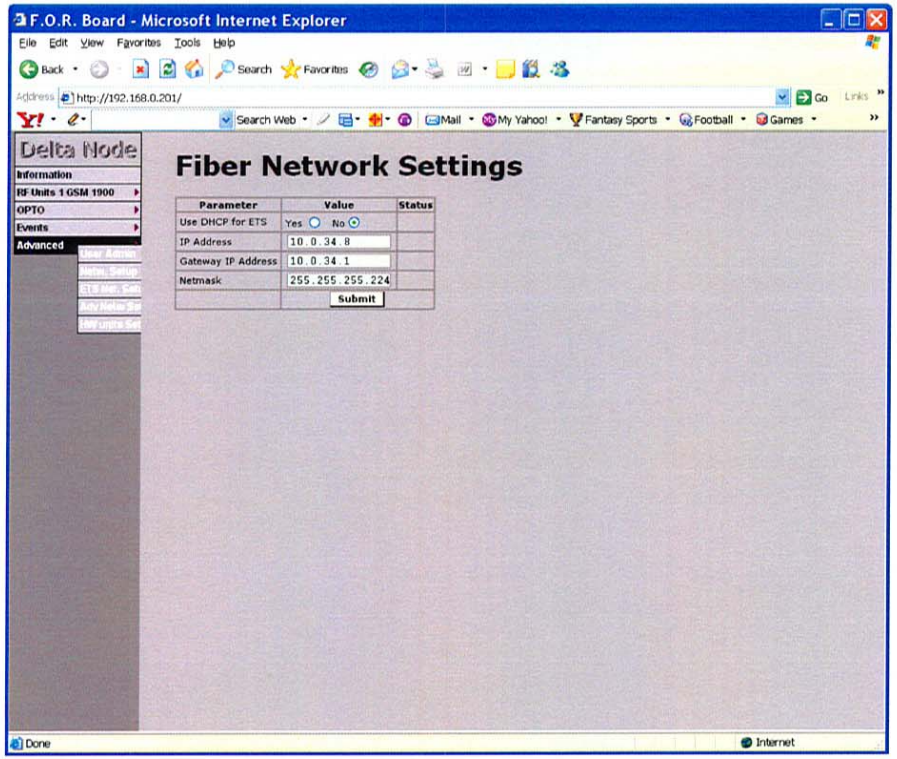
Advanced, ETS netw setup



- Enter IP settings for the Fiber optic network 10.0 series
- When BGW is used set DHCP in ”Yes”

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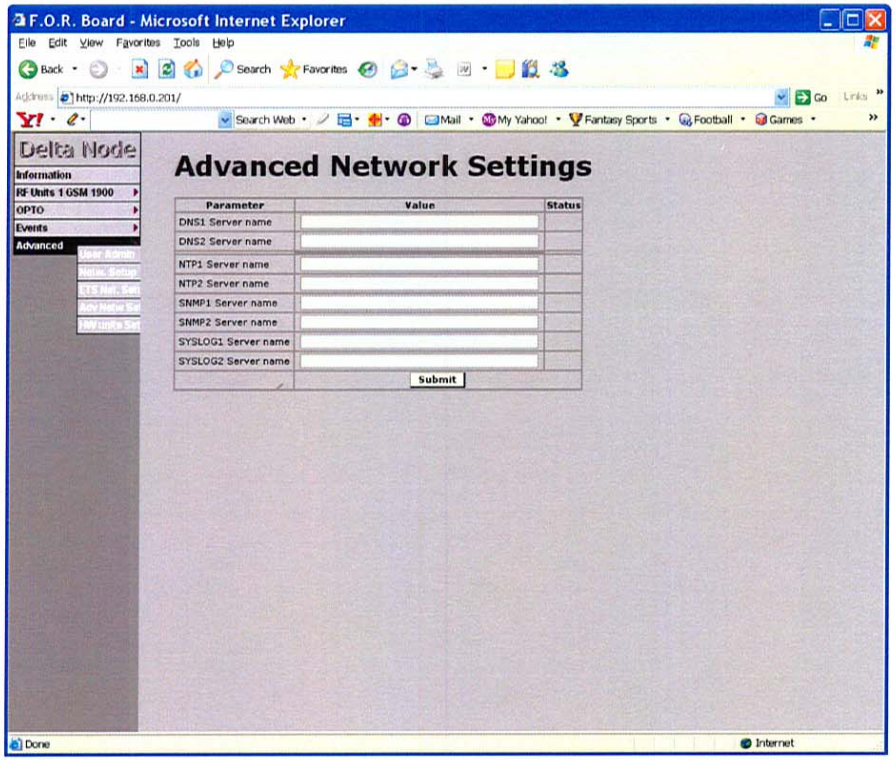
Advanced, Adv netw settings



- Not used

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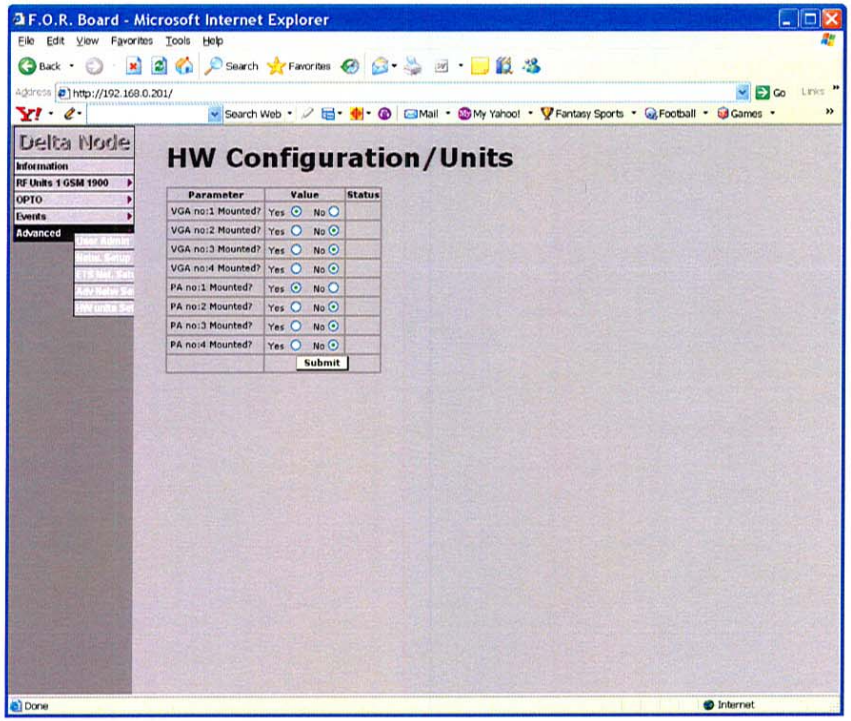
Advanced, HW units setup



- Configuration of the Remote, factory set

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