Deltanode DAS
Quick Guide
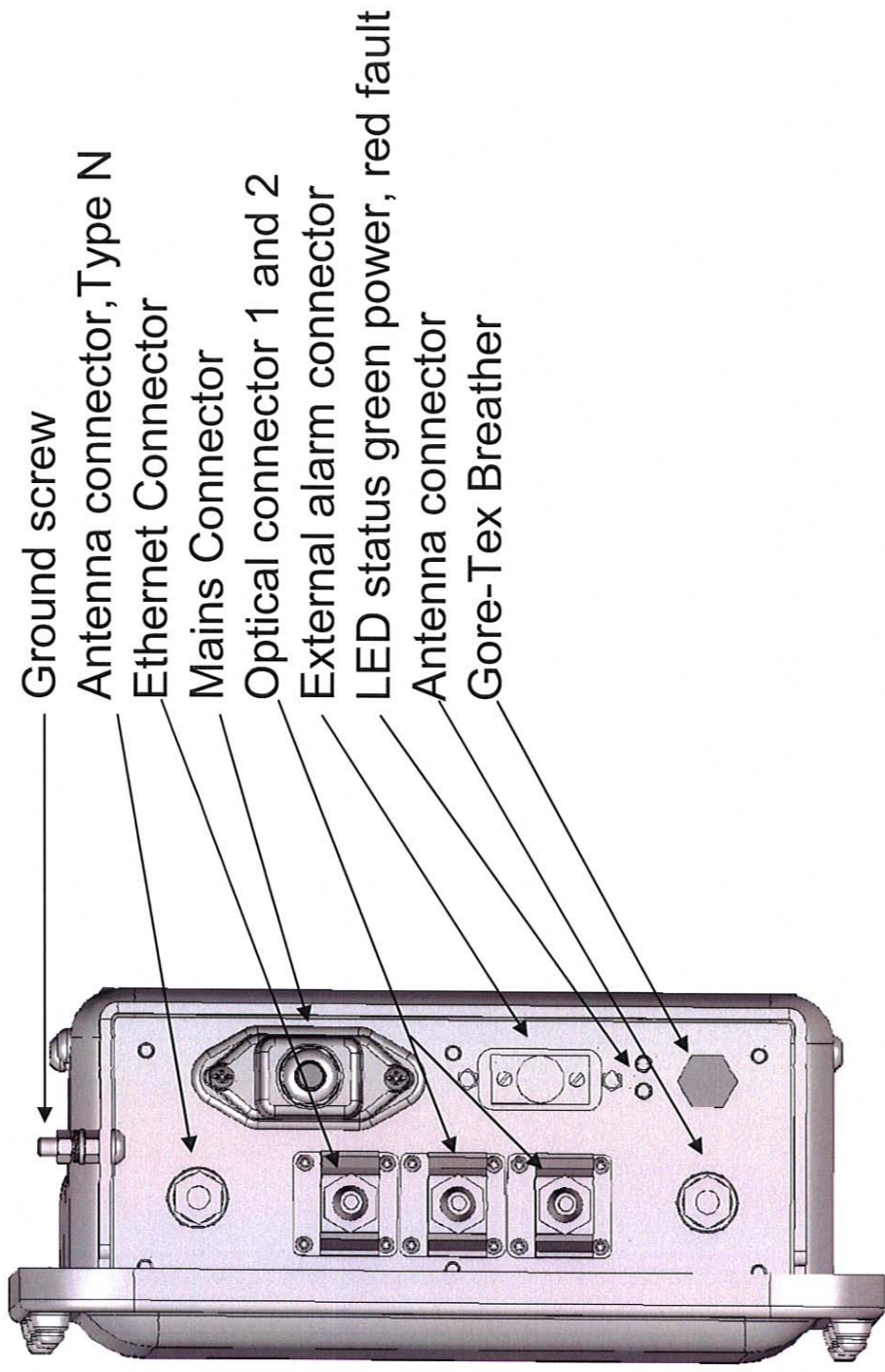
Basic installation and configurations

Ver 1.2 20070928

DeltaNode™

Wireless Technology
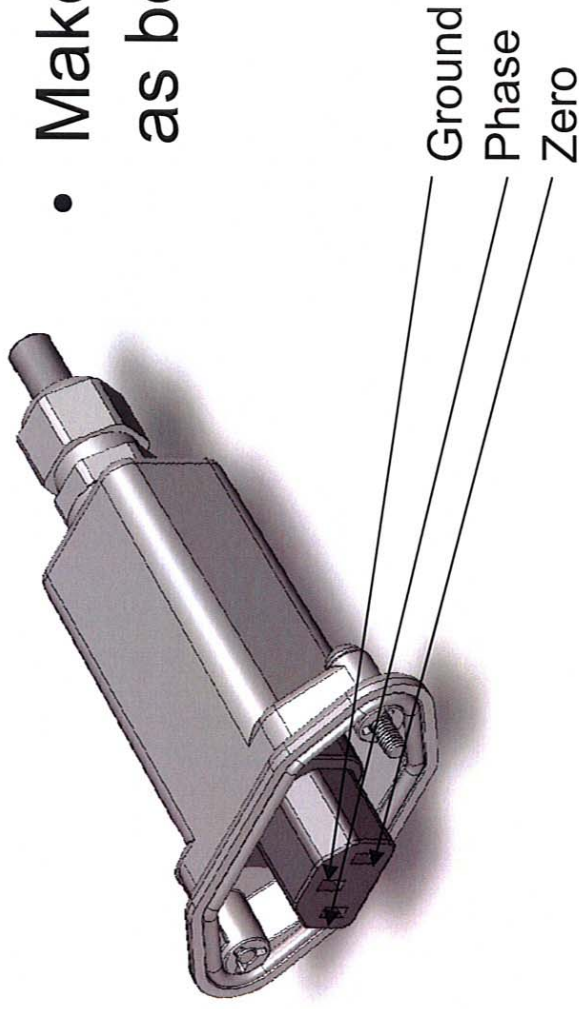
Health and safety warnings

- 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

Mains Connector

- Mains Connector weatherproof type

- Make sure to connect as below
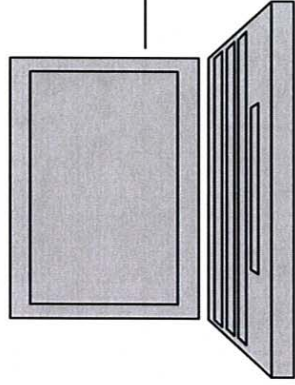
Ground
Phase
Zero

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

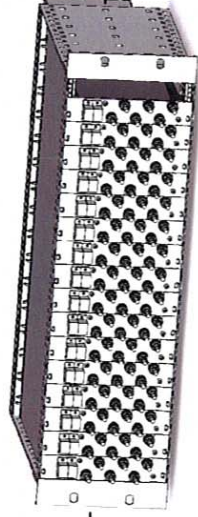- Ext alarm: 9-pole IP67 D-sub female connector. Mains: 3 pole C14 connector

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

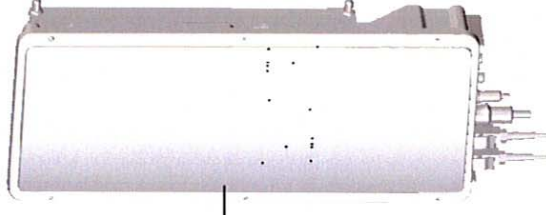- Webserver for the remote unit is in the FOR (Fiber optic Remote)

Welcome to FOR

Select an entry on the left menu to proceed
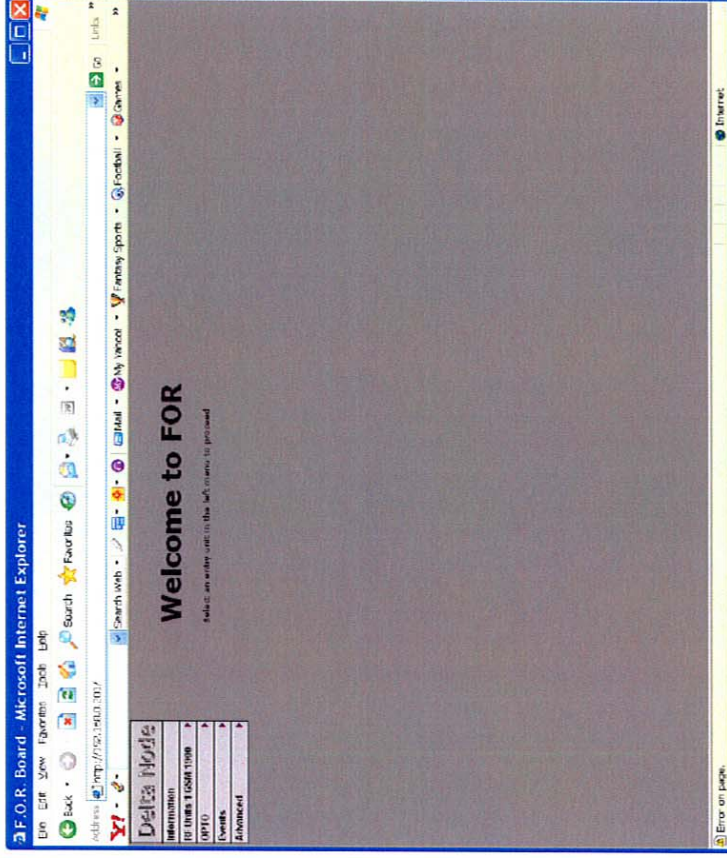
Manually configured, remote over fiber

Fiber

IP adress
10.0.34.8

IP adress
192.168.1.201
Default GW for Remote
Located at FOI

TP cable

Alternative IP adress
192.168.1.150
Default GW
192.168.1.201

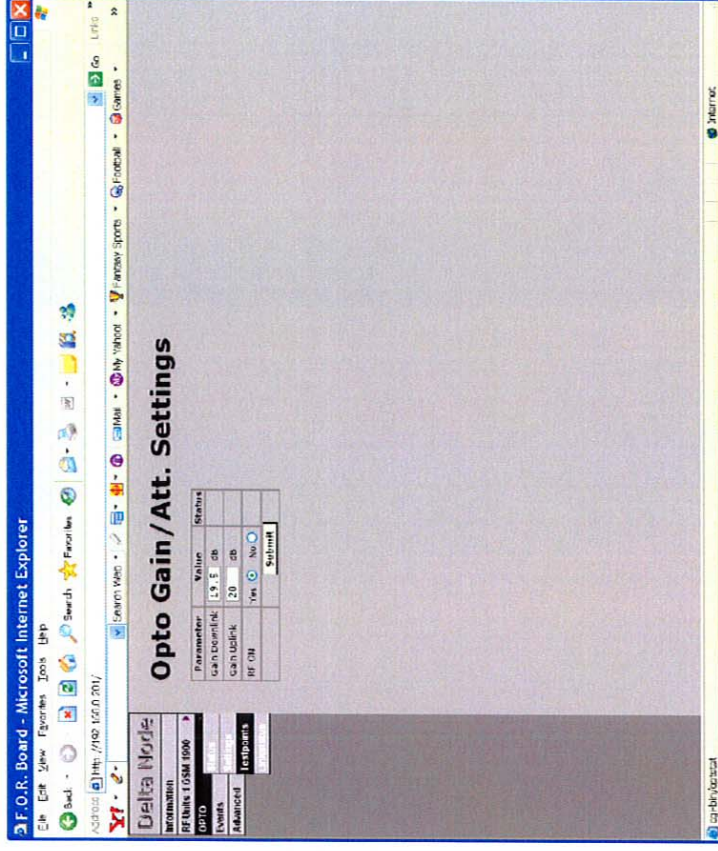DeltaNode™
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Opto, Status

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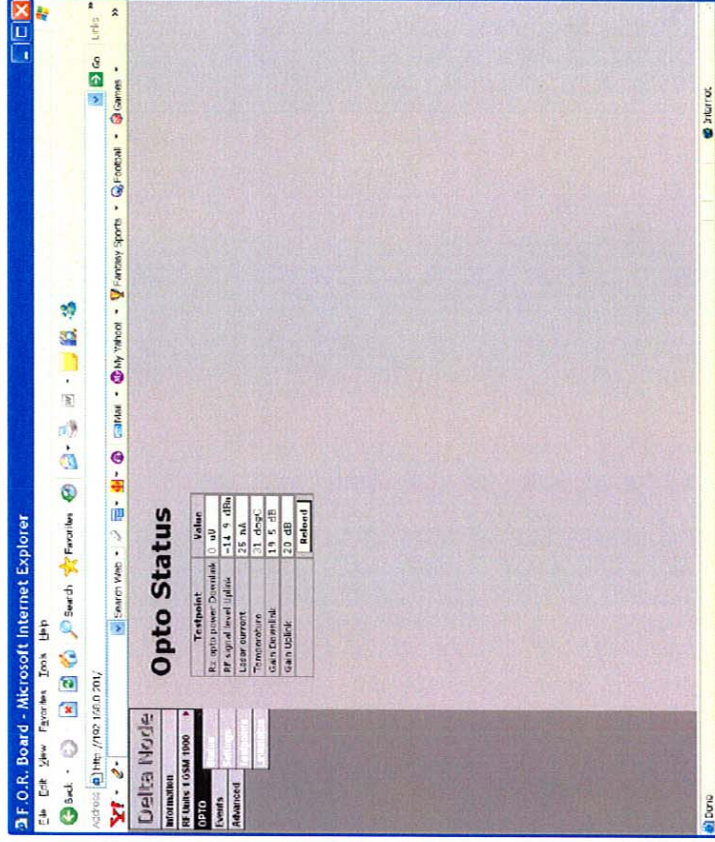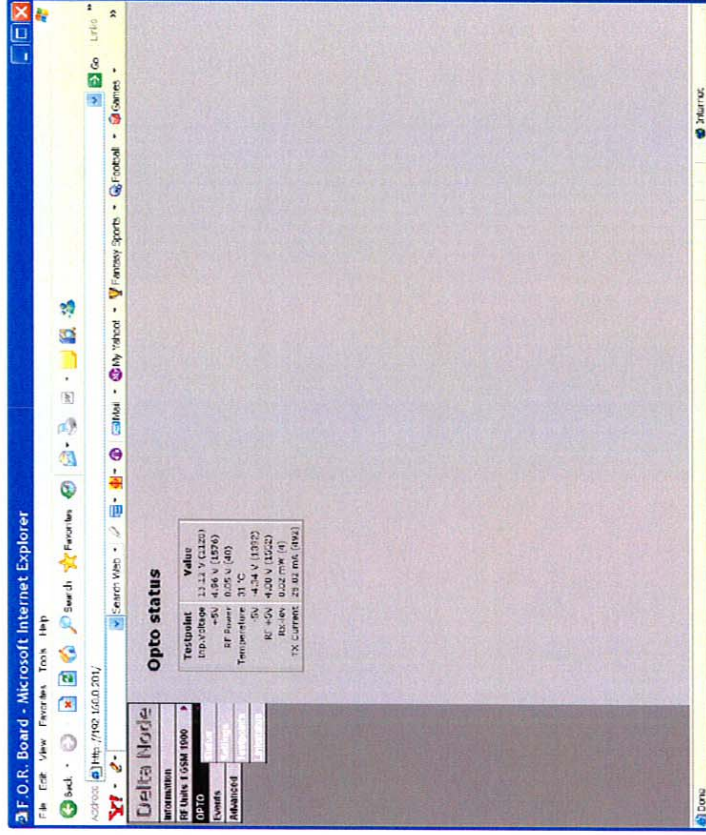
Opto, Settings

- 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

Opto, Testpoints

- Testpoints at the FOR Board

Opto, Link status

- Shows status of the communication link on the fiber

RF Unit, RF status

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

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
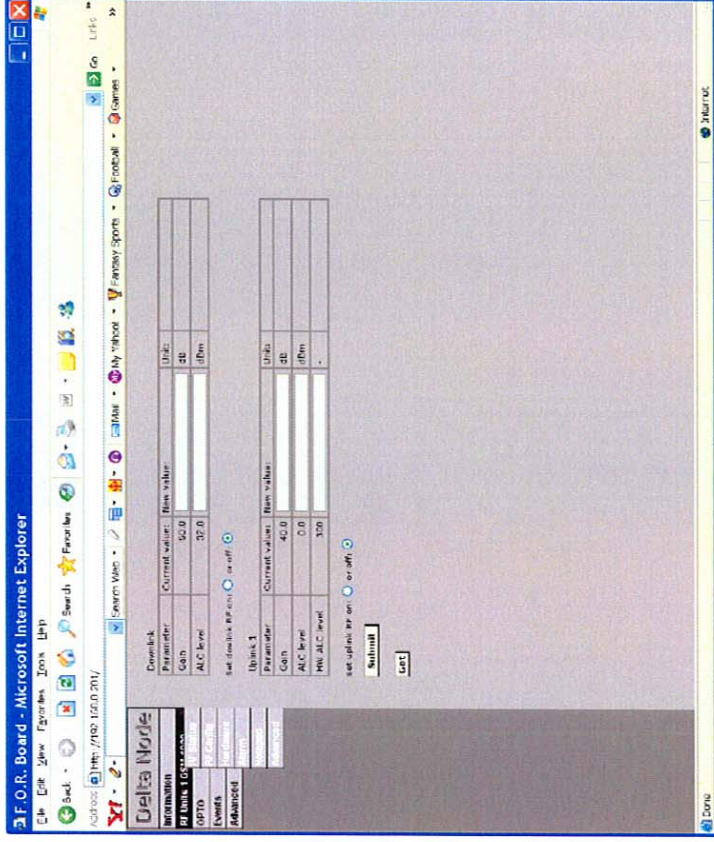
RF Unit, Hardware

- Shows factory set configurations
- Shows testpoints

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Advanced, Network settings
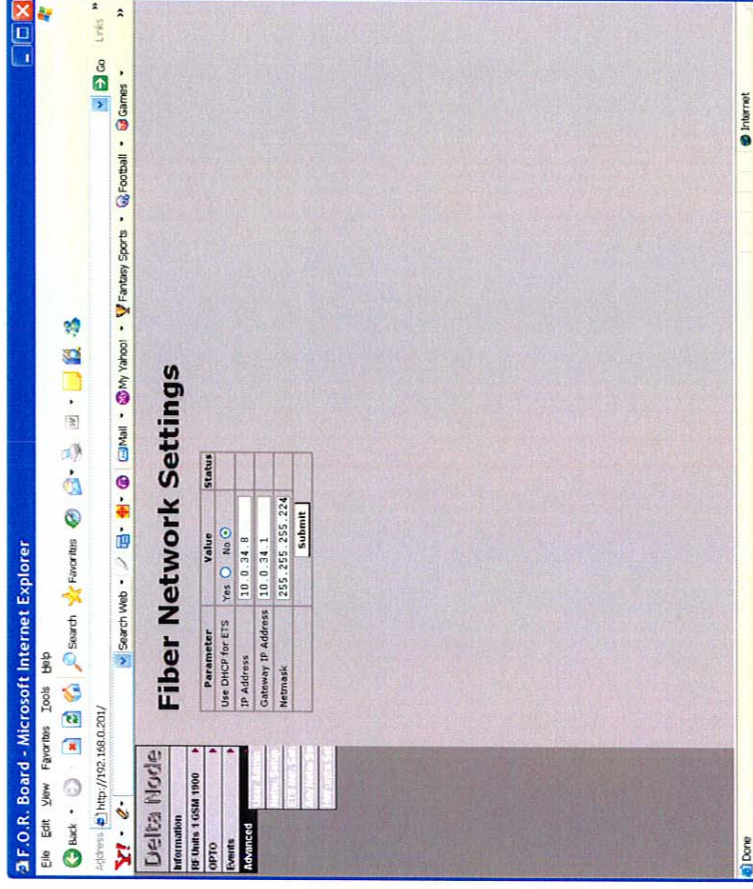
- Enter IP settings for the Remote unit 192.168 series

- When BGW is used set DHCP and Calc IP in "Yes"
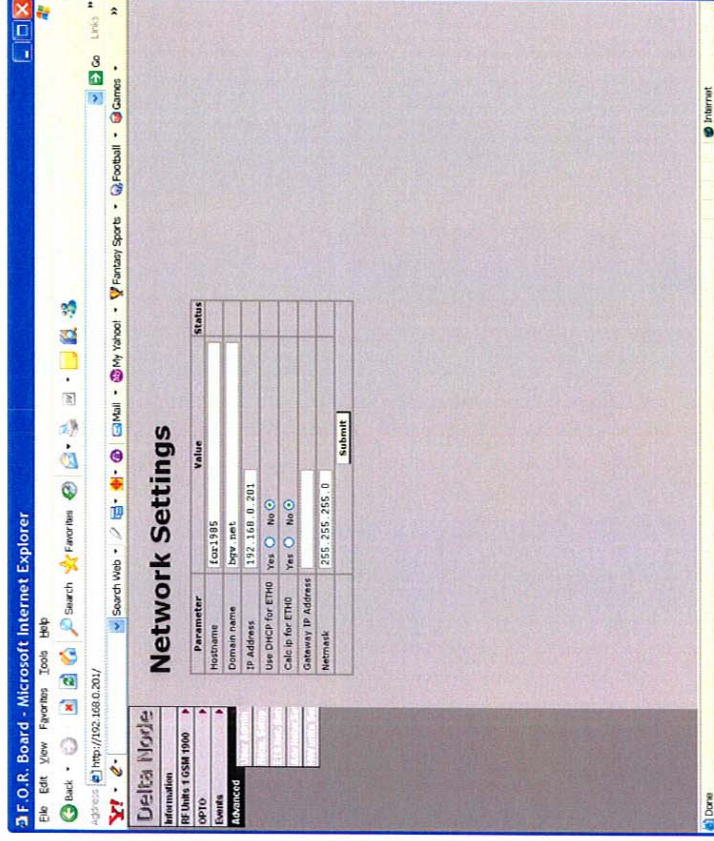
Advanced, ETS netw setup

- Enter IP settings for the Fiber optic network 10.0 series

- When BGW is used set DHCP in "Yes"

Fiber Network Settings

Parameter	Value	Status
Use DHCP for ETS	Yes ○ No ◉	
IP Address	10 . 0 . 34 . 8	
Gateway IP Address	10 . 0 . 34 . 1	
Netmask	255 . 255 . 255 . 224	

Submit

Advanced, Adv netw settings

- Not used

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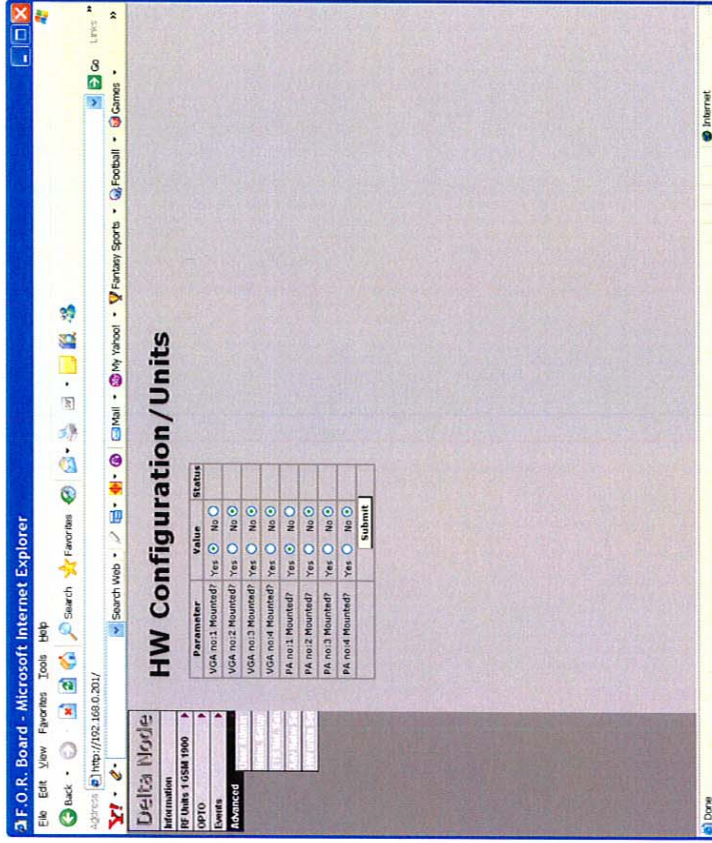Wireless Technology
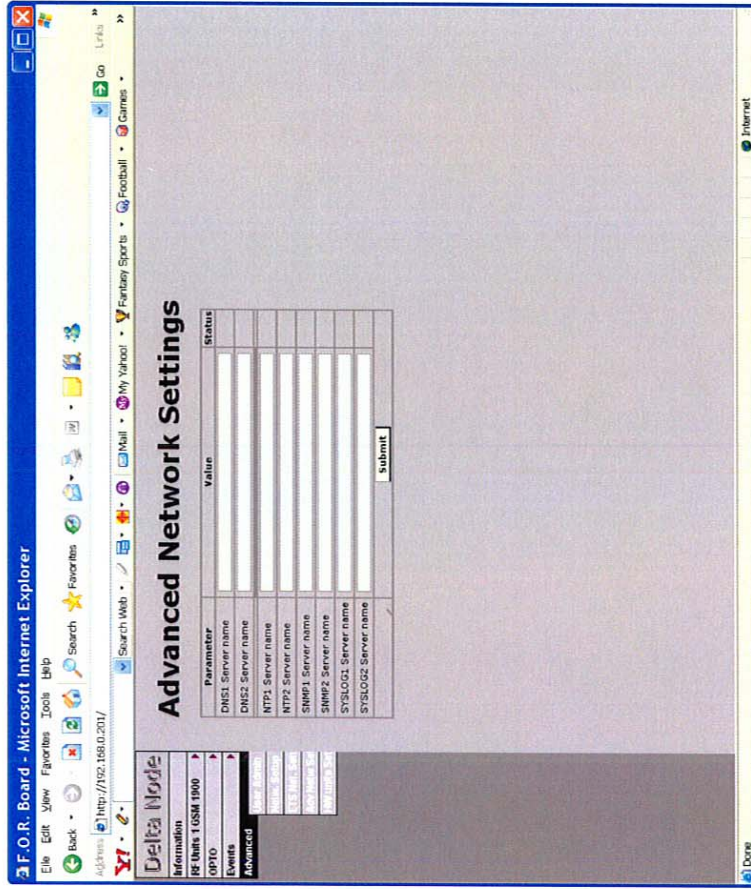
Advanced, HW units setup

- Configuration of the Remote, factory set

Quick Guide to get started with DAS without BGW

All units have has a WEB interface that you access through a WEB browser,
The unit has no DHCP client so the computer that is locally connected must also be
configured to have a pre defined static IP Address.

By setting a fixed IP Address in the computer in the same range as the fixed address of
the System you can type the units IP address in your browser and log in. (After the
timeout your computer will assign itself the selected fixed Address)

The DAS Node has as a factory set 192.168.0.201. This can be changed in the WEB
interface. If you get lost you can reset the IP Address to the default by pressing the reset
button on the connection board of the Repeater for about 5 seconds.

Enter the IP Address in the browser and hit return, Log in to the Repeater
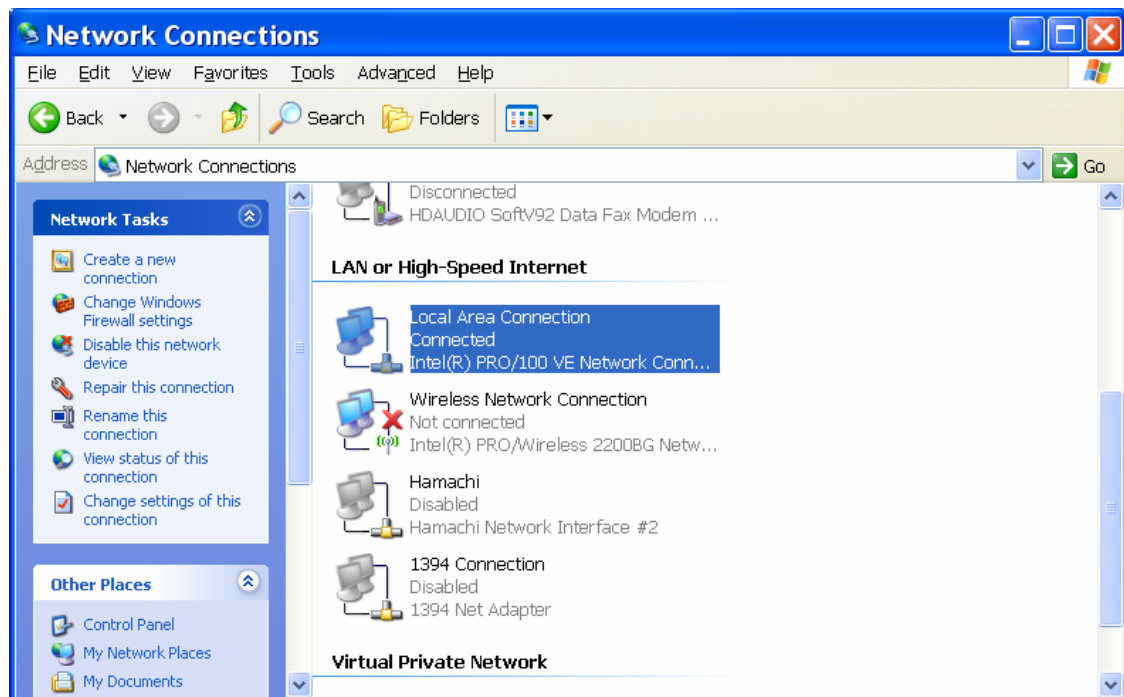
Click Properties of your LAN connection in the Control panel.
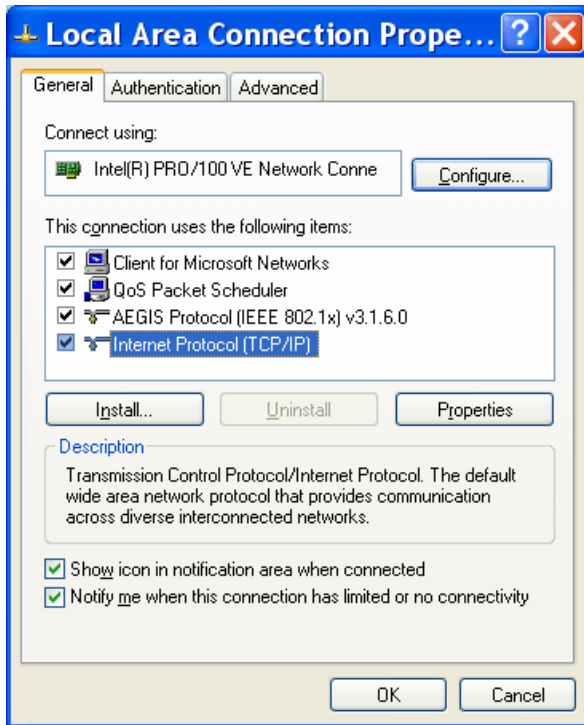
Click properties on the TCP/IP protocol and set the alternative configuration