Planevision SYSTEMS

For the benefit of the environment the
complete user documentation
is distributed by e-mail and user accessible internet area only.

Internet access code:

http://customer.planevision.systems

User: 110145

Password: 877521

Ex-factory network configuration:

IP address	192.168.10.10
Network mask	255.255.255.0
Gateway	192.168.10.1

When changing these parameters:
OBSERVE THE WARNING NOTES IN THIS DOCUMENT!!

For Network Access Credentials (passwords) refer to:
ANNEX A of OPERATING MANUAL

![Planevision SYSTEMS]

PlaneTRack Type B

Quickstart Instructions

Important: This PlaneTRack device MAY BE configured for Network DHCP operations, i.e. an IP address must be provided during power-up by user's network.

Important: PlaneTRack does not power-up properly without a network connection.

Power up

- Mount the PlaneTRack device securely in a 19" rack
- Connect GPS antenna and ADS-B antenna to **the CORRECT N-connector (see Labels on Rear Panel and Operating Manual)**
- Connect an Ethernet Network Cable to the NETWORK Port
- Check front and rear PWR/STBY switches are OFF
- **Connect the Frame Ground bolt on the rear panel to Earth**
- Connect the 230V/50Hz Power Cable to the IEC jacket **and an** <u>earthed power socket</u> **only**

PWR   ALARM   EARTH/FG   ADS-B ANT   GPS-ANT   NETWORK
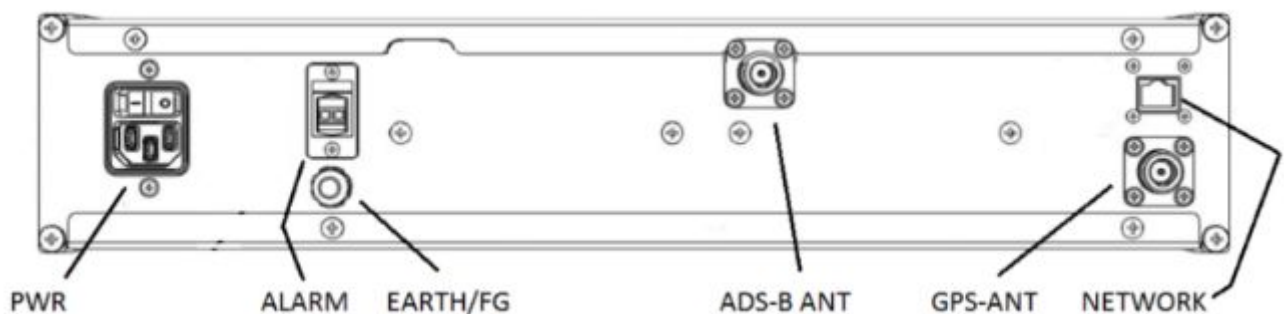
For further instructions on commissioning a PlaneTRack ground station please consult AN-104 from http://appnotes.planevision.systems

- Switch ON the rear PWR switch
- Switch ON the front STBY switch
- Watch PWR LED become lit green
- Wait for ca. 40 secs
  - if a network is not connected the wait period can take up to 5 mins
- Watch the TFC LED blinking
  - at 1/sec heartbeat, if no traffic is present or no ADS-B antenna connected -or-
  - flickering with traffic received (proper ADS-B antenna position required)
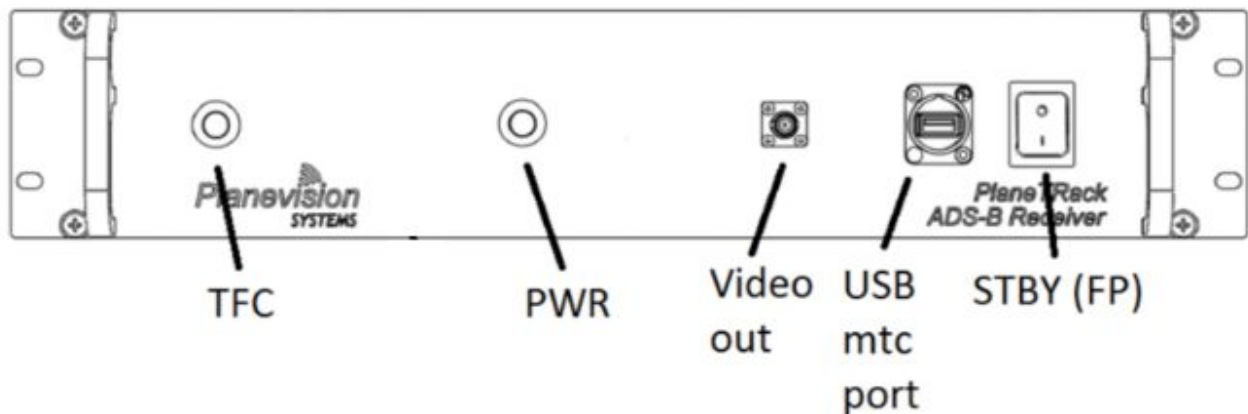
Network configuration (if DHCP is configured)

- Search for the assigned network IP
  - On Linux systems (SAMBA): the device may be visible in a routing table as "planetrack*nnnnnn*"
  - On Network Routers: in the IP/DHCP table search for "planetrack*nnnnnn*" or the MAC address per Annex A of the Operating Manual. The assigned MAC vendor is Texas Instruments
  - On Windows systems the "planetrack*nnnnnn*" is not visible. Try to use an IP scanner without/with the device connected to identify the IP.
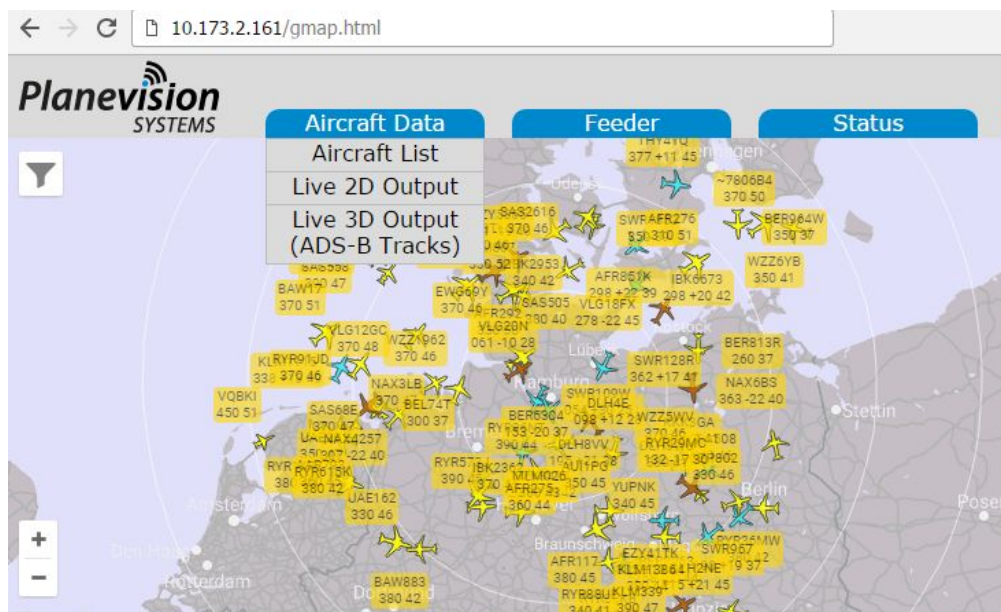- Write down the assigned IP

Quick Test

- Open a Web Browser and connect to the PlaneTRack with http://<notedIP>
- If an ADS-B antenna is connected
  - traffic should be seen in the *Aircraft List*
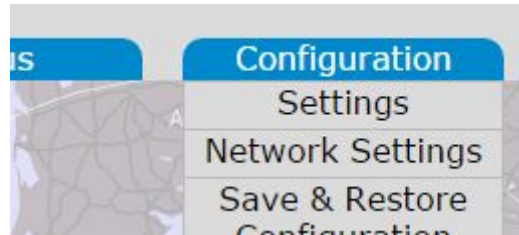

  - <u>If an internet connection exists</u>, a visual representation of the traffic should be available from the *Aircraft Data | 2D Live Map* menu item

Asterix Configuration

- In the Web Browser select the *Configuration | Settings* item

- Login, if required (Login data are printed on the Configuration Sheet)

- Scroll down to *Asterix CAT021 ... Server Settings*

- Enter SAC and SIC as a 2-digit hex figure
  - for V0.23 the SIC must be between 00 and 7F
  - for V0.26 the SIC must be between 80 and FF
- Enter the State Vector Report Transmission Interval in seconds
  - Minimum interval is 1.0 seconds
  - Interval resolution is 0.5 seconds, i.e. 0.5, 1.0, 1.5, 2.0 etc can be entered
  - Be sure to use a '.' as decimal separator, not a comma ','
- Enter the Destination Server IPs and Ports
  - Multiple IPs shall be separated by a comma

- Enable the Transmission with the *enabled* radio button
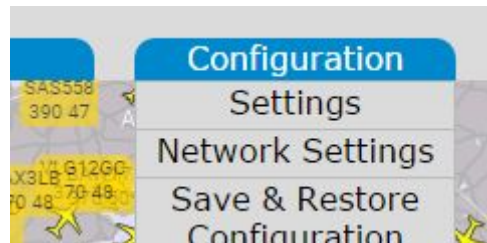- Scroll down to the bottom of the page
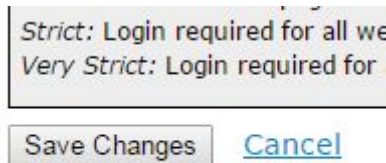
- Press the *SAVE CHANGES* button

For further instructions on PlaneTRack Asterix operations please consult AN-101 from http://appnotes.planevision.systems

Network Configuration

- From the menu select the *Network Settings* item

- Enter the desired Network Settings
  - Be sure IP address and Gateway are in the same IP subnet
  - Be sure the Network mask fits to the network configuration
  - Re-check for typos and unwanted and empty entries

- Press the *SUBMIT CHANGES* button
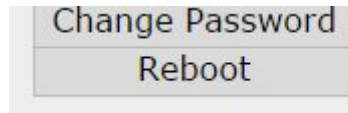- Press the *BACK* link

- Select the *REBOOT* option from the menu

- Press the *REBOOT* button

- The PlaneTRack device should be reaccessible after ca. 40 secs under the new IP. If the IP settings were invalid or corrupt the device may not be reachable via the network anymore. In this case access must be re-established via the USB console from the front panel. Please refer to AN-106, which is available from the manufacturer.

  Please refer to the Operating Manual for further important details.