

SATPRO_Device_connect

Device Connection

The Device Connection window appears right when the program starts, as the first step is to connect to a SATPRO.

You can open it at any time from the menu.

Initial Setup:

- The first time you receive a SATPRO, the Ethernet configuration may not be suitable for your network, requiring reconfiguration. Therefore, you will need to connect via the COM port initially.
- **Install Driver:** Download and install the Silicon Labs CP210x driver.

Steps for COM Port Connection:

1. Enter COM Port Number:

- Enter the COM port number (preferably <10) and select "Open Com".
- If the connection is successful, you will immediately see commands and responses moving in the console.
- **Important:** If you are using a GCS XLRS, you must check that it is configured in "ACL" or "Aux" mode so that it can communicate correctly through RCBUS, if the GCS is in MAV (Mavlink) mode, the communication of the commands will not work.

2. Review Ethernet Configuration:

- After establishing a COM connection, review and

configure the Ethernet settings.

Preferred Connection:

- Once Ethernet is configured, it is preferable to use UDP or TCP connections over the COM port. These are more secure and provide smoother operation than the COM port.
- **Ethernet Cable:** It is better to use an Ethernet connection cable rather than the RCBus for SATPRO, reserving RCBus for firmware updates or when an Ethernet connection is not possible.

Port Configuration:

- **SATPRO Ports:** Ports range from 8000 to 8007.
- **UDP Local Ports:** Typically range from 9000 to 9007, but other ports can be used.

Connection Types:

- **UDP Connection:** Lightweight and creates fewer issues compared to TCP.
- **TCP Connection:** More secure and better for remote or distant environments.

You can switch between modes on the fly. The application will prompt for confirmation when changing the port.

Additional Information:

- For more detailed information on configuring Ethernet and other settings, refer to the relevant sections in the documentation or the help menu within the application.