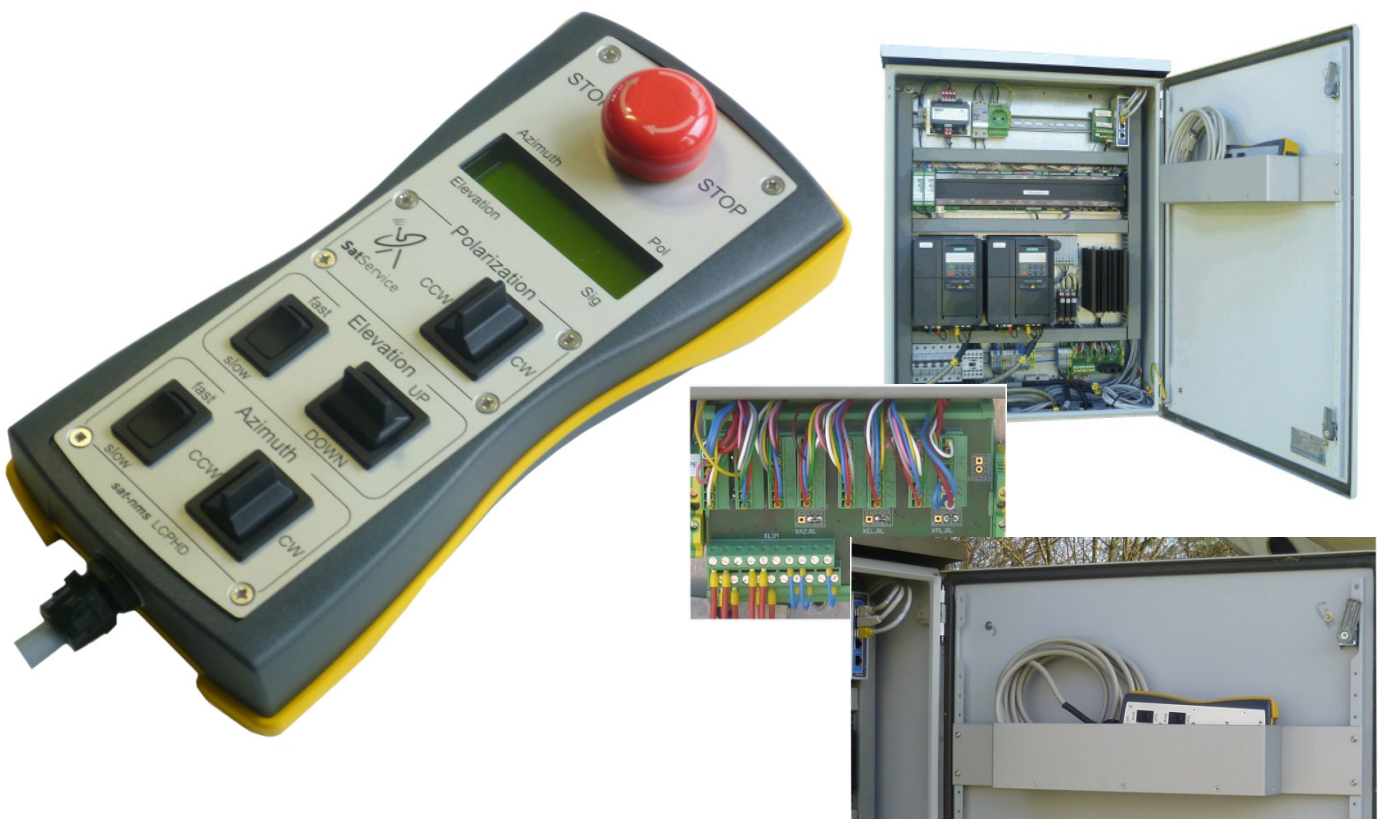


sat-nms LCPHD-PT ACU Local Maintenance Controller

Normally, you operate the **sat-nms** ACU-ODU with a web browser via the integrated web server of the outdoor unit. For maintenance purposes, if the environmental outdoor conditions are adverse and you do not want to open your notebook at the antenna or if you are just installing the antenna and you have not yet configured the antenna controller, then our **sat-nms** LCPHD-PT is exactly what you need. You can drive the antenna in all three axes without any other software or PC, just by pushing buttons. Compared to **sat-nms** LCPH Handheld, the **sat-nms** LCPHD-PT provides an additional display showing Angle values of all three axes and additionally the beacon level.

The sat-nms LCPHD-PT is pin-, connector- and function compatible to the formerly Vertex PMCU Handheld.

By ordering a **sat-nms** LCPHD-PT together with your new **sat-nms** ACU-ODU-ACD cabinet, all required interfaces will be installed. For already existing **sat-nms** ACU-ODU devices, SatService provides an upgrade kit consisting of a DIN rail module as well as a cable kit that has to be exchanged against some existing cables around the **sat-nms** ACU-ODM-D Module. The upgrade is easy to perform and can be done by your own well-trained service personnel.



Key Features

- Compatible to formerly Vertex PMCU
- Easy Antenna movement without Notebook
- Angle value and beacon level display
- Commands drive signal directly to frequency inverter
- Limit switches still active even without running **sat-nms** ACU-ODM
- Upgrade kit for existing **sat-nms** ACU-ODU available

Contact Information

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Functional description:

item	Function/description
STOP Button	interrupts Motor power supply applies brakes if installed Once triggered, button has to be released by turning as illustrated by arrows on the button.
Display	labelling on frontpanel above/below value shows corresponding values: Azimuth: Azimuth encoder value in ° Elevation: Elevation encoder value in ° Pol: Polarization encoder value in ° Sig: beacon signal in dBm provided by ACU-ODM-D Note: If your <i>sat-nms</i> ACU-ODM is not set up or connected yet, the antenna might nevertheless be moved by <i>sat-nms</i> LCPHD-PT even without angle display!
Polarization CCW/CW switch	drives Polarization drive of your Antenna immediately in CW/CCW direction
Elevation UP/DOWN switch	drives Elevation drive of your Antenna immediately UP/DOWN
Elevation fast/slow switch	defines Antenna Elevation speed by pressing "Elevation UP/DOWN" buttons
Azimuth CW/CCW switch	drives Azimuth drive of your Antenna immediately in CW/CCW direction
Azimuth fast/slow switch	defines Antenna Azimuth speed by pressing "Azimuth CW/CCW" buttons

Pin description:

Pin	description	Pin	description	Pin	description
A	stop loop in	H	POL CCW	R	Data RX+
B	stop loop return	J	AZ slew	S	Data RX-
C	n.c.	K	EL slew	T	Shield
D	n.c.	L	EL UP	X	VDC COM
E	AZ/EL COM	M	EL DOWN	W	+24VDC
F	POL COM	N	AZ CW		
G	POL CW	P	AZ CCW		

Electrical and Mechanical Specification, Environmental Conditions

Supply Voltage	24V DC, provided by ACU-ODU
Temperature Range	5° to 50° C
Humidity	Up to 90% non-condensing. This unit is not watertight, do not leave outdoor without cover!
Size	210x105x55mm(without cable fitting)
Weight	approx. 800g (including cable)
cable length	5m
connector type	MS3116J16-23PW