

ALPI and VETTA
radio remote controls for forestry winches

ALPI and VETTA for Forestry Winches



(No. 6202, 9 Feb 2012)



The MITO ALPI radio remote control for forest winches is the result of 20 years of experience in the development and production of Safety Industrial Radio Remote Controls.

Extremely lightweight, 269g with compact size, does not tire the operators who often use the radio for long periods of time.

A low consumption electronic with a Lithium battery guarantees a 50 hour autonomy, practically one week of intense work without requiring recharging!

Resistant to falls and external elements, IP67, easy to operate even with a single hand! The waist portable Alpi is the ideal partner to work efficiently in the forest.

The Alpi range is available in a single and double drum version with availability of 10 functions and Stop button.

The ALPI radio remote control automatically searches the clearest available frequency (LBT technology, Listen Before Talk) in order to work continuously without any radio disturbances.

The perfect adaptability to all types of winches on the market, has been demonstrated with the use of Alpi by some of the most notable and prestigious forest winch manufacturers.

The complete Kit includes a transmitter, receiver, battery charger (12/24 Vdc or 220 Vac), waist belt holder for transmitter, receiver wiring with 7/13 pole connector.

compact handset transmitters

ALPI



ALPI Single Drum

Available Functions:

- Wind / Unwind (latching)
- Gas + / Gas -
- Motor start / stop
- Horn
- Permanent alarm signal



ALPI Double Drum

Available Functions:

- Wind / Unwind Drum 1 (latching)
- Wind / Unwind Drum 2 (latching)
- Gas + / Gas -
- Motor start / stop
- Horn
- Permanent alarm signal



mito series



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The MITO VETTA is the new professional radio remote control for single and double drum forestry winches developed and produced by ELCA.

An innovative transmitting panel consisting of five toggle switches in line plus the Stop button, represents the best choice for professional operators who need to drive all the functions separately with single and double drum winches.

The replaceable Lithium battery guarantees 50 hours autonomy (one week of work without recharging) with the new "easy click" charger system.

The VETTA uses the same LBT technology (Listen Before Talk) found in the ALPI system, able to work continuously without any radio disturbances and is fully compatible with the existing ALPI receivers.

The system is suitable for all kind of winches, including those equipped with hydraulic unwinding device.

Compact and ergonomic size, lightweight (400g), resistant to falls and external elements (IP65), designed with a comfortable belt loop for nylon and leather belts.

The complete VETTA kit includes a transmitter, receiver, battery charger (12/24 Vdc and 220 Vac), waist belt, receiver wiring with 7/13 pole connector.

mito series

compact waist portable transmitters

VETTA

170MM



81MM

74MM



61MM

VETTA Single Drum

Available Functions:

- Wind / Unwind (latching)
- Gas + / Gas -
- Cardan on/off
- Motor start / stop
- Horn
- Permanent alarm signal



VETTA Double Drum

Available Functions:

- Wind / Unwind Drum 1 (latching)
- Wind / Unwind Drum 2 (latching)
- Gas + / Gas -
- Motor start / stop
- Horn
- Permanent alarm signal



Receiver

ALPI and VETTA have the same receiver; this is specifically designed to work in extreme conditions (IP67) with a very compact size and lightweight (450g). The required power supply is from 9 to 30 Vdc or Vac with a maximum current to the contacts of 10A in AC1 and 10A in DC1 to 30 V.

The receiver is equipped with an internal aerial but, upon request, is also available with external aerial.



Technical Data

Frequency band	868,0125 - 870,9875 MHz
Modulation	GFSK
Hamming distance	> = 10
Work (transport) temperature	-20 +55° C
Operating distance	150 m
Passive Stop	< 1 sec
Active Stop	< 0,35 sec

Transmitters

mito ALPI

mito VETTA

Number of functions	up to 10	up to 10
Power supply	Lithium Battery 3,7 V, 1.100 mA	Lithium Battery 3,7 V, 1.100 mA
Transmission consumption	< 25 mA	< 25 mA
Autonomy	50 hrs	50 hrs
Protection level	IP67	IP65
Dimensions	116 x 170 x 55 mm	170 x 81 x 74 mm
Weight	269 g	400 g

Receiver

AR mito MINI

Power supply	9-30 Vdc/Vac
Absorbed power	< 5 W
Protection level	IP67
NO contacts	max. 10 channels
Max voltage to the contacts	230 Vac
Max current to the contacts	10 A in AC1, 10 A in DC1 to 30 V
Dimensions	165 x 107 x 50 mm
Weight	450 g

Battery Charger

MITO ION

PA ELCA CLIP

Power supply	100-240 V - 50/60 Hz or 9-30 Vdc (with cradle)	100-240 V 50/60 Hz or 9-30 Vdc
Tension output	4,2 V	5 V
Current output	0,45 A	1 A
Working temperature	0-45° C	0-45 °C



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