



Mini+

handheld radiocontrol



MINI+ enhances the characteristics of the MINI model, the "portable" ELCA system, for professional use: small, light-weight, comfortable and easy to use, water-resistant, with a long-lasting battery (Lithium), always reliable!

Available with:

- **MITO** electronics;
- **E1** electronics.

Common characteristics:

- larger buttons;
- description of commands, customisable, high-visibility;
- protective anti-slip rubber edge;
- power supply: Rechargeable lithium or alkaline AA;
- key to turn on the software (command sequence);
- shoulder strap (provided) with integrated supports;
- internal Lithium battery charger with USB cable "ELCA-CLIP";
- cases dedicated to 2, 4, 6, 8 commands;
- MINI receivers.

Furthermore, **MINI+** with **E1** electronics includes:

- Latching mushroom-head stop button, PL d cat. 3 EN ISO 13849-1;
- 4 "Data Feedback" signalling LEDs;
- buttons with single/double release;
- MINI, Flexi receivers.

MITO series
compact handset
MINI+



- LEGEND**
- ... available commands
 - 1/2 SPEED ... available commands with 1 and/or 2 speeds
 - Start push-button
 - Stop push-button
 - Start/Stop push-button
 - S Stop PL d cat. 3 EN ISO 13849-1
 - DF 4 LED Data Feedback

Mini+

handset radiocontrol

scale 1:1



Dimensions: L 62 x H 137 mm
Weight: from 200 g

E1 series
compact handset
MINI+



Rear view and power supply configurations



Lithium Batt. + STOP + ELCA-CLIP USB
- E1 series -



Lithium Batt. + ELCA-CLIP USB
- MITO, E1 series -



Alkaline Batt. 3XAA
- MITO, E1 series -

Technical Data

Mito

E1

Operating range	UHF	
ISM band working frequency	868,0125 ÷ 870,000 MHz	434,050 ÷ 434,790 MHz
Working temperature	-25 ÷ +55 °C	
Transport and storage temperature	-20 ÷ +55 °C	
Modulation type	GFSK	
Operating distance	150 m	
Hamming distance	≥10	≥9
Passive safety stop time	< 1 s	< 0,5 s
Active safety stop time	< 0,35 s	< 0,1 s
Safety functions (with EN ISO 13849-1)		
Stop	/	PL d cat.3

Transmitters

Mito Mini+

E1 Mini+

Antenna	internal	
Power supply	Lithium battery 3,7 V 1100 mA	
	Alkaline batteries 3xAA 1,5V	
Transmission consumption	< 25 mA	< 45 mA
Absorbed power	< 0,1 W	< 0,15 W
R.F. emission power	< 5 mW ERP	< 10 mW ERP
Low battery warning	~ 10 minutes	1 hour - 5 min. - 100 sec.
Battery autonomy at 20 °C	~ 50 hours	up to 20 hours
Protection level	IP65	
Dimensions and weight with Lithium battery (Stop)	/	62x137x72 mm - 217 g
Dimensions and weight with Lithium battery	62x137x35 mm - 200 g	
Dimensions and weight with alkaline batteries (3xAA)	62x137x50 mm - 261 g	

Receivers

E1 Flexi A

E1 Flexi SW

E1 Mini

Mito Mini

Mito DIN

Alimentazione	48/55/ 110/230Vac	9-30Vdc	9-30Vac/dc	9-30Vac/dc	9-24 Vdc
Protection level	IP65	IP65	IP67	IP67	IP00
Dimensions (mm)	135x255x85	135x255x85	107x165x50	107x165x50	45x130x60
Available commands	12/24	24/16+6 prop.	6/8/10	6/8/10	up to 10 NPN



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