

technos A

The versatile radio control in a convenient design with high-performing color displays.



Scale 1:1,5

Quality in Control.



technos A

technos A is a compact and ergonomic radio control for diverse applications. The robust and multi-talented transmitter is available in different versions. Two configurable color TFTs provide valuable information to the operator. With its combination of features, the technos A offers first-class performance in a convenient size.

Intelligent features at a glance:



Front panel lighting and flashlight

A clear view in darkness

These useful functions are always included and easily activated by a button or softkey.



Automatic frequency management with 2.4 GHz technology

Reliable operation in busy radio environments

HBC's state-of-the-art automatic frequency management is standard with technos A.



merlin® TUC (Transmitter User Card)

Easy and safe access management

merlin® TUC protects the control from unauthorized use. It also provides for the ability to lock / unlock specific functions for each operator.



radiomatic® shock-off / zero-g / inclination switch

Intelligent protection in emergencies

These innovative features can be utilized to trigger safety functions on the machine.



Version with z-axis switches



Version with linear levers



Side view



Side view



Robust plastic housing
in the ergonomic technos design
for perfect operating comfort.

**Up to 2 joysticks or up to
6 linear levers**

**LED for front panel
lighting**

Aluminum front panel
with space for additional operating elements
and customized labeling.

Scale 1:2

Color TFT feedback

Operating comfort and safety for the operator.

Two high-performing 1.77" color TFT displays provide critical machine data, error notifications and warnings, such as high engine temperatures or overloads.

Your advantages:

- Free choice of data, graphics and design
- Simple, intuitive menu structure
- Status bar with field strength and battery capacity
- Warnings and error notifications appear automatically



*Li-ion exchange battery, typ. 20 h
of continuous operating time*



*radiomatic® iLOG for the quick
activation of a spare transmitter*



Carrying with the hip belt

Quality in Control.

Technical data.

Radio transmitter	technos A		
Combined with	FSE 308 / 312 / 503 / 507 / 510 / 511 / 512 / 516 / 524, FSE 726 / 727 / 736 / 737 / 776 / 777 radiobus®		
Control concepts	Point-to-point operation, catch-release, tandem operation, pre-selection of trolley / hoist; cable option		
Operating elements	Up to 2 joysticks or up to 6 linear levers; combination of push buttons, toggle switches, rotary switches (maintained / spring-return) and other operating elements; a total of 5 one-step push buttons on the sides; radiomatic® iCON for display navigation <i>Optional:</i> joysticks with integrated button; z-axis switches for the simultaneous control of 3 drives		
Control functions	Up to 24 control functions (on / off); up to 6 analog functions for joysticks / linear levers, 2 additional analog functions, e. g. for potentiometer switches; additional control functions available through the display (softkeys)		
Indication	LED / acoustic signal / transmitter vibration: operating status, battery status		
Safety	E-STOP: PL d category 3 according to EN ISO 13849-1:2015 <i>Optional:</i> Direction contacts + 4 additional commands: PL d category 3 according to EN ISO 13849-1:2015 Protection from unauthorized use: activation via HBC start-up sequence or merlin® TUC Auto Power Off: automatic deactivation of the transmitter after 15 min without command input Auto Movement Off: automatic deactivation of movement functions after 5 min without command input		
Enhanced safety functions	radiomatic® shock-off / zero-g / inclination switch, front panel lighting, flashlight <i>Optional:</i> access control with merlin® TUC, radiomatic® infrakey, micro / orthogonal drive, two-step enabling switch, shut-down on implausible control commands		
Feedback to the operator	2 configurable 1.77" color TFT displays; <i>Optional:</i> 4 LEDs and / or transmitter vibration; 1 additional LED for warnings		
Service concept	radiomatic® iLOG, radiomatic® ADCON		
Frequency ranges	ISM bands	Channel spacing	Radiated power
	country-specific use: 405 – 475 MHz 865 – 870 MHz 902 – 928 MHz	12,5 / 25 kHz 25 kHz 25 kHz	max. 10 mW
	country-independent use: 2,4 GHz: 2402 – 2480 MHz	1 MHz	max. 100 mW
	country-specific use: DECT: 1790 –1930 MHz	1,728 MHz	max. 250 mW
Frequency management	Manual frequency switch, radiomatic® AFS, Adaptive Frequency Hopping, DECT		
Antenna	Internal		
Battery technology	Rechargeable Li-ion exchange battery; continuous operating time: typically 20 hours		
Charging time	< 5 h (typ.)		
Housing material	PA6GF30		
Dimensions / weight	255 x 162 x 168 mm (10.04" x 6.38" x 6.65") / 1.8 kg (3.97 lbs.)		
Operating temperature	-20 °C ... +70 °C		
Protection class	IP 65		

