

Mobile Radio Remote Control



OUR BRANDS

ELFATEK
• ELECTRONIC •

www.elfatek.com.tr



Crane Radio Remote Control Systems,
Siren Lights, Overload Systems, Rotary Limit Switch,
Mobile Radio Remote Control and 3D Printer

ELFATEK

ELFASOFT

friction
BOARD

CORAXIS



www.sirex.com.tr

ANKEBOT

www.ankebot.com

ELFAMAK
• WOODWORKING MACHINES •

www.elfamak.com.tr



Cnc Routers,
Cnc Milling Production and Woodworking Machines

ELFAMAK

TORRO

DoorFRAME

CONVEYOR

DoorMATIC

DoorMATIC Plus

VENOM

ALTOR

DoorPRESS

FramePRESS

**ELFA
KALIP**

www.elfakalip.com.tr



Plastic Injection,
Mould Production

Plastic Modular, Drawer System,
Rotating Drawer System and
Drawer Cabinet



www.kapelplastik.com

elfaEXPORT

www.elfaexport.com



Import and Export Services

elfaEXPORT

About Us

The founders of Elfatek Elektronik who have brought their 15 years of experience in the industrial electronics sector to the Crane remote control sector in 2006, have produced the first crane remote controls with 80 channels and 120 hours of operating life in Turkey with the project support of TUBITAK. Now; 3D printer, Tour Switch, Load Switch, Load Switch External Display, Collision Sensor, Joystick Control, voice and light warning system has enriched the product portfolio.

Elfatek produces all electronic parts, software and mechanical parts of its remote controls under its own roof. Elfatek has become the leading crane remote control producer and designer of Turkey with its technological infrastructure investments and continuous research and development activities up to now.

The firm continues its activities with its young and dynamic engineer staff for developing the high-performance and high-quality products required by the industry. Our company, as of 27.10.2017 date by the Ministry of Industry and Technology in Industrial Electronics sector 1st in Konya, 41st in Turkey is certified as R & D center.

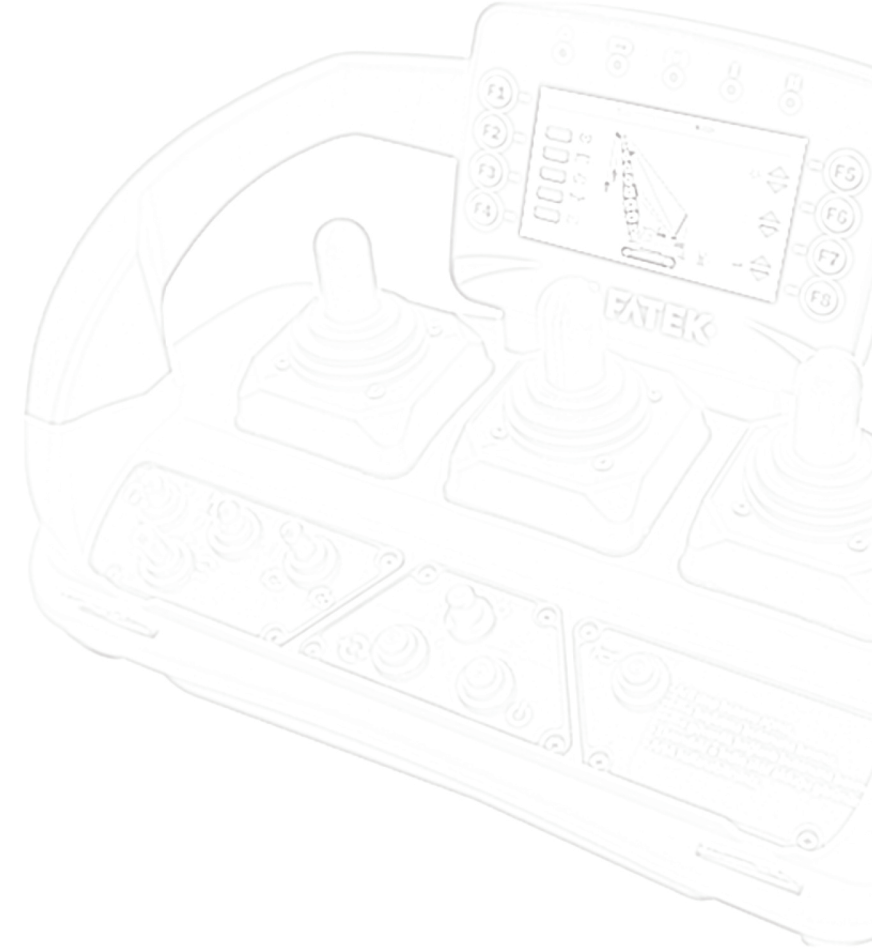
We export to 121 countries on this road, which we have started with the vision of "to develop industrial products at international level and become a leading company in R & D." With its young and dynamic engineers, it continues its activities in order to develop high-performance and high-quality products that the industry needs.

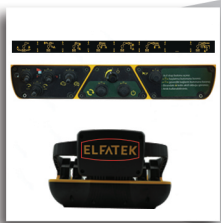
Our mission

"Developing research and development based industrial products with high added value for increasing competitive power of our country."

Our vision

"Developing industrial products at international level and becoming a leader firm in research and development filed."





OPTIONAL VISUAL DESIGN

Customer-specific label design provides ease of use and elegance.



BATTERY

Long term operation advantage.
24 hour hour work.
[16 hours with display]



RFID AUTHORIZATION SYSTEM

With RFID card authorization system;
* Preventing unauthorized use,
* Adjustable access level between users,
* user tracking is provided



SECURITY

After pressing the start button by pressing the connection active key the controller is ready for operation. The position of the joysticks is checked at start.



SELECTOR SWITCH

(0-1) Selector Switch.
(1-0-2) Spring-Return.
Permanent.



POTENTIOMETER

Used for speed adjustment, sensitivity setting, etc.



SELECTION SWITCH

1/2/1+2 Rotary switch
(Permanent or Momentary)
From 1 to 12 rotary permanent switch.



JOYSTICK CONFIGURATION

Configurable joystick structure.



TRANSPORT ACCESSORIES

Waist belt and neck strap.



LCD SCREEN

4.3" Color screen



BUZZER

Audible warning information.



VIBRATION

Vibrating Alert System.



SAFETY SWITCH

For use of the controller at designated points.



DATA OUTPUT

Compliance with standard or special protocols on canbus.



WIRED USE

Used in airports and in locations with power transmission lines.

ABOUT HUMA SERIES REMOTE CONTROL

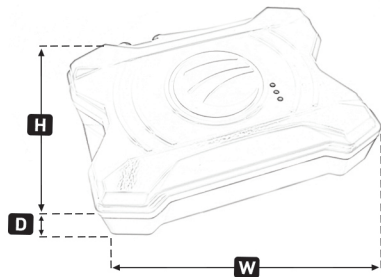
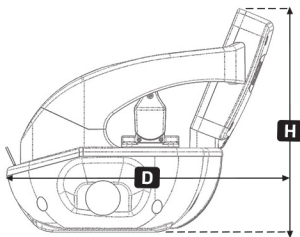
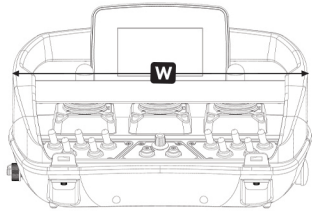
- HUMA series Remote Control Systems are designed for the control of mobile work machines and proportional hydraulic platforms. (Mobile hydraulic machines, Construction machinery, mining machinery, off-road machinery, agricultural machinery)
- The receiver and the transmitter are in constant communication. If no operation is performed for 3 minutes, 100 meter communication distance is exceeded or the battery is removed it switches to emergency stop mode. 13 min is set as standard and can be changed to 15 min. 30 min. 45 min.
- In all models of the remote controls a battery ran out and signal led is available
- Different configurations can be made by using joystick, button, key, commutator, potentiometer types. (single axis - double axis joystick, spring permanent key, 2-3 position key, 0-5 commutator)
- Safety and precision with HUMA series Remote Control System is at the highest level. A confirmation key has been added for operator approval. After approval by the operator, for safety a control takes places whether the joysticks are in the start position or not.
- HUMA series Remote Control Systems are designed to be used in different work machines.
- HUMA series Remote Control Systems continuous operating time is 24 hours. 16 hours in use with screen.

STANDARD SET

- 1 Receiver Unit
- 10 m Cable
- 1 Neck Strap
- 1 Waist Belt
- 1 Transmitter
- 2 Battery
- 1 Charger, 220 V Adapter, 12/24 V Cigarette Lighter Adapter
- 1 User Manual, Certificate of Warranty, Wiring Diagram, CE Certificate
- Receiver Monunting Screws



TECHNICAL SPECIFICATIONS



TRANSMITTER DIMENSIONS

MODEL	H (Height)	W (Width)	D (Depth)
HUMA SERIES	195 mm	342 mm	232 mm

TRANSMITTER SPECIFICATIONS

FEATURES	
OPERATING FREQUENCY	868 Mhz
NUMBER OF CHANNELS	8
OPERATING DISTANCE	≈ 100 m
RF SYSTEM POWER	100 mW ERP (INTERNAL ANTENNA)
DATA ENCRYPTION CODE	32 Bit
DELAY TIME ON RECEIVER START	< 1 s
RESPONSE TIME	< 60 ms
EMERGENCY RESPONSE TIME	< 60 ms
OPERATION AND STORAGE TEMPERATURE	-20 °C ~ +85 °C
EXTERNAL CASE PROTECTION CLASS	IP 65
BODY STRUCTURE	POLYAMID
SUPPLY VOLTAGE	12/24 VDC
JOYSTICK MOVEMENT	SINGLE - DOUBLE AXIS
SPEED SELECTOR KEY	5 LEVEL
ELECTRICAL CURRENT	350 mA (with screen 500 mA)
BATTERY	Ni-Mh 8600 mAh
CONTINUOUS OPERATING TIME	24 hours (with screen 16 hours)
TRANSMITTER UNIT WEIGHT	2388 gr ±100 600 gr BATTERY

TRANSMITTER DIMENSIONS

MODEL	H (Height)	W (Width)	D (Depth)
HUMA SERIES	160 mm	200 mm	46 mm

RECEIVER SPECIFICATIONS

FEATURES	
OPERATING FREQUENCY	868 Mhz
NUMBER OF CHANNELS	8
OPERATING DISTANCE	≈ 100 m
DATA ENCRYPTION CODE	32 Bit
DELAY TIME ON RECEIVER START	< 1 s
RESPONSE TIME	< 60 ms
EMERGENCY RESPONSE TIME	< 60 ms
RECEIVER CONNECTION UNIT	CANBUS
NUMBER OF PROCESSORS	2
NUMBER OF DIGITAL OUTPUT	CANBUS I/O
NUMBER OF DIGITAL INPUT	CANBUS I/O
NUMBER OF OUTPUT PWM	CANBUS I/O
EXTERNAL ANTENNA	OPTIONAL
OPERATION AND STORAGE TEMPERATURE	-40 °C ~ +85 °C
PROTECTION CLASS	IP 67
BODY STRUCTURE	POLYAMID
SUPPLY VOLTAGE	12/24 VDC
ELECTRICAL CURRENT	130 mA
RECEIVER UNIT WEIGHT	1060 gr ±100

HUMA SERIES

Remote Control Systems

www.elfatek.com.tr

Description: The types, number and colors of the materials (button, key, joystick) can be configured according to the requirements.



a



b



c



d



e



f

ELFATEK®

• E L E C T R O N I C •



ELFATEK ELEKTRONİK LTD. ŞTİ.

Ankara Yolu Üzeri Modesa San. Sit. 10735 Sk. NO : 10 Karatay / Konya / TÜRKİYE
Tel : +90 332 345 38 83 (Pbx) Fax : +90 332 345 38 84
Mail : elfatek@elfatek.com.tr Mail : export@elfatek.com.tr

