



PRODUCT CATALOGUE





OUR STORY

ABITRON makes the operation of your machines simpler, safer and more economical. ABITRON safety radio remote controls are used around the world. They master the toughest conditions and reliably control construction cranes, crushers, industrial cranes, construction machinery, loader cranes, municipal vehicles and much more. At ABITRON, we have been able to offer this variety of applications for over 30 years, thanks to constant innovation and the highest technical standards of our products. Our customers' wishes are our top priority. Whatever requirements you have for a safety radio remote control - our highly qualified employees work with you to develop the best technical and economical solution!



HOW IT WORKS

For questions about these and many more applications, please contact our sales team! Come and be impressed by the variety of uses for the ABITRON radio remote control. See for yourself!



INDUSTRY

From high-bay warehouses to industrial cranes - your ABITRON safety radio remote control will not let you down.



CONSTRUCTION

Together with you, we develop economic and reliable solutions for all your construction machinery. Our construction crane standard set is approved by TÜV and can be used flexibly across all manufacturers.



HYDRAULIC

The classic areas of mobile hydraulics such as loading cranes and concrete pumps, but also applications far beyond that, are among our strengths.



SPECIAL VEHICLE

With a safety radio remote control from ABITRON, you control all of your vehicle's functions with precision and a high degree of efficiency.



EXPLOSION-PROOF

We offer a broad portfolio of explosion-proof safety remote controls for the mining, chemicals and manufacturing industries.



SPECIAL SOLUTIONS

Our flexible and highly qualified team works with you to develop the customised solution for your application. Regardless of whether it is an individual piece or several hundred systems!



Maximum safety: Explosion-proof ABITRON safety remote controls are approved worldwide and certified to the latest international standards.



In safe hands: At ABITRON we offer you comprehensive advice, customised solutions, personalised products and customer training. We are dedicated to your success!



Unobstructed view of the application from a safe distance to the danger area. ABITRON has 30 years of experience in construction crane radio remote controls and is a premium manufacturer in this field.

Reliable under the toughest conditions

Your ABITRON safety radio remote control has been designed to give you precise and clear control of your machine in any application. ABITRON safety radio remote controls have proven themselves for many years under the most extreme conditions on construction sites, in the manufacturing industry and in tunnelling, through to offshore applications and far beyond.



PUSHBUTTON DEVICES LIGHTWEIGHT AND CLOSE AT HAND



PUSHBUTTON DEVICES

+ HANDY PUSHBUTTON DEVICES FOR DIGITAL APPLICATIONS

The TGD-8 and TGA are versatile pushbutton devices for the industrial sector and for mobile and customised applications.

The lightweight, ergonomically designed transmitters offer easy handling.

The function keys and rotary switches (TGA) can be flexibly assigned and configured to ensure the most efficient layout for the operator. Use our security features such as a user-defined security code to protect your device from unauthorised use.

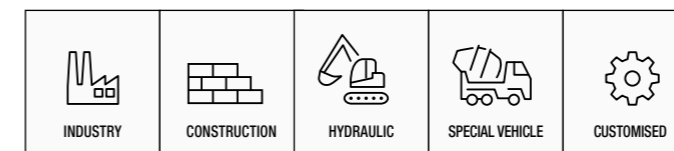


TGD-8 NEW
ERGONOMIC

Compact pushbutton device with integrated battery

With its modern, ergonomic design, the TGD-8 pushbutton device is a leader in its class. The new operating concept offers optimum flexibility for applications with a smaller range of functions. The 8 two-stage pushbuttons and the toggle switch can be customised through individual labeling in your application. Optionally, up to 6 multi-coloured feedback LEDs are available for the status display of your machine.

PROTECTION CLASS: IP 65
TEMPERATURE RANGE: -25 to +60° C
WEIGHT: approx. 300g
DIMENSIONS: 80 x 45 x 175 mm (W/D/H)
FREQUENCY RANGE: 420MHz – 930MHz, 2.4GHz
BATTERY TECHNOLOGY: integrated, Li-Ion
OPERATING TIME: up to 140 hours

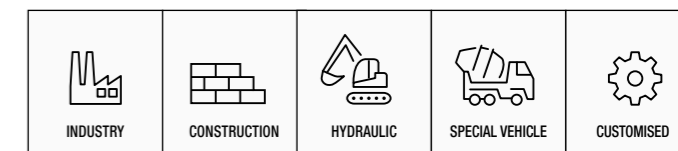


TGA
FUNCTIONAL

Pushbutton device with exchangeable battery system

The transmitter type TGA is equipped by default with 10 one or two-stage pushbuttons, as well as two 4-stage rotary switches. The illuminated display provides the user with simple status information, such as battery or transmitter information.

PROTECTION CLASS: IP 65
TEMPERATURE RANGE: -10 to +55° C
WEIGHT: approx. 350g
DIMENSIONS: 65 x 50 x 240 mm (W/D/H)
FREQUENCY RANGE: 223MHz – 869MHz
BATTERY TECHNOLOGY: exchangeable battery, NiMH
OPERATING TIME: up to 10 hours





T-SERIES THE NEXT GENERATION



T-SERIES

+ OPTIMISED FOR THE BEST OVERVIEW

ABITRON's new T-Series has been created to combine cutting-edge design, the most reliable technology and decades of experience from practice in a completely redesigned series. The three transmitters in the innovative T-Series provide an enormous amount of space for switches, pushbuttons, joysticks and much more. The new transmitter designs enable highly intuitive handling and offer the best overview with the newly created colour graphic displays (GDC 3.5 and GDC 4.3) for all of your application's information. ABITRON equips your transmitter according to your individual needs.

T3 **NEW** UNIQUE DESIGN

Compact transmitter with a unique design

The T3 transmitter introduces the newly developed T-Series from ABITRON. The T3 already provides numerous options: Select key switches, stop switches, toggle switches, pushbuttons and joysticks with digital or analogue functions according to your needs. There is also a variety of information sources, such as LED displays and graphic displays, available.

PROTECTION CLASS: IP 65
TEMPERATURE RANGE: -25 to +70° C
WEIGHT: approx. 1400g
DIMENSIONS: 220 x 140 x 150 mm (W/D/H)
FREQUENCY RANGE: 223MHz – 930MHz, 2.4GHz
BATTERY TECHNOLOGY: exchangeable battery NiMH
OPERATING TIME: up to 20 hours



INDUSTRY	CONSTRUCTION	HYDRAULIC	SPECIAL VEHICLE	CUSTOMISED

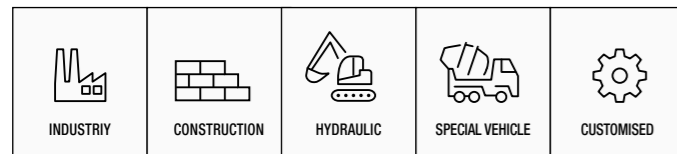


T5 NEW HIGH PERFORMANCE

The handy transmitter with high performance

The larger housing allows the T5 transmitter to accommodate a variety of controls. With its clear design, combined with maximum ergonomics, the T5 transmitter provides the interface to your application. For the first time, the newly developed colour graphic display GDC 3.5 is available for this transmitter, which can be freely programmed by the customer.

PROTECTION CLASS: IP 65
TEMPERATURE RANGE: -25 to +70° C
WEIGHT: approx. 1800g
DIMENSIONS: 290 x 180 x 155 mm (W/D/H)
FREQUENCY RANGE: 223MHz – 930MHz, 2.4GHz
BATTERY TECHNOLOGY: exchangeable battery, NiMH or Li-Ion
OPERATING TIME: up to 20 hours

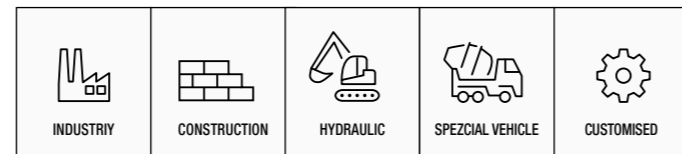


T7 NEW MAXIMUM POSSIBILITIES

Robust design with a maximum number of possibilities

The T7 transmitter is the largest transmitter of the newly designed T-Series. It provides you with the maximum space for your controls. At the customer's request, the T7 transmitter can accommodate an up to 4.3" colour graphic display with optional video feedback. This provides you not only with the best view of the status, but also of your machine's working area.

PROTECTION CLASS: IP 65
TEMPERATURE RANGE: -25 to +70° C
WEIGHT: approx. 2000g
DIMENSIONS: 370 x 185 x 170 mm (W/D/H)
FREQUENCY RANGE: 223MHz – 930MHz, 2.4GHz
BATTERY TECHNOLOGY: exchangeable battery, NiMH or Li-Ion
OPERATING TIME: up to 20 hours



Precise and fast manoeuvring of loads in a new dimension. With safety radio remote controls from ABITRON, you are completely free to move and, if necessary, be right at the heart of things.



NOVA-SERIES PROVEN AND RELIABLE



NOVA-SERIES

+ HIGHLY FLEXIBLE TRANSMITTER SERIES IN THREE SIZES

The NOVA-Series is the classic of the ABITRON product series. The design was created for digital and proportional applications. The series consists of three different types of transmitters (M, L, XL). The NOVA transmitters not only prove convincing because of their unique layout, but also due to the user-friendly and robust design. In the NOVA-Series, there are a variety of standard versions and customised fittings.

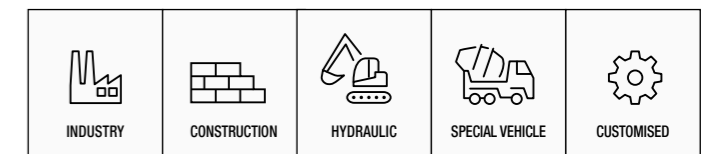


NOVA-M COMPACT TRANSMITTER

Compact transmitter with a variety of possibilities

The NOVA-M transmitter is the smallest joystick transmitter of the ABITRON group. It is characterised by its compact and ergonomic design. The NOVA-M transmitter offers a variety of options such as key switches, stop switches, toggle switches, pushbuttons and joysticks with digital or analogue functions.

PROTECTION CLASS: IP 65
TEMPERATURE RANGE: -25 to +70° C
WEIGHT: approx. 1000g
DIMENSIONS: 170 x 110 x 160 mm (W/D/H)
FREQUENCY RANGE: 223MHz – 930MHz, 2.4GHz
BATTERY TECHNOLOGY: exchangeable battery NiMH
OPERATING TIME: up to 20 hours





NOVA-L LARGE RANGE OF PERFORMANCE

Comfortable design for more power

The larger NOVA-L transmitter impresses through its pleasant and ergonomic design. As with the smaller NOVA-M transmitter, the following applies: The NOVA-L transmitter offers a variety of options such as key switches, stop switches, toggle switches, push-buttons and joysticks with digital or analogue functions. Its high degree of flexibility is supplemented by an optional graphic display.

PROTECTION CLASS: IP 65
TEMPERATURE RANGE: -25 to +70° C
WEIGHT: approx. 1600g
DIMENSIONS: 235 x 110 x 165 mm (W/D/H)
FREQUENCY RANGE: 223MHz – 930MHz, 2.4GHz
BATTERY TECHNOLOGY: exchangeable battery NiMH
OPERATING TIME: up to 20 hours



NOVA-XL EXTREMELY POWERFUL

Powerful transmitter with maximum variability

The NOVA-XL transmitter is the largest transmitter of the NOVA-Series. It offers maximum performance with the highest level of user-friendliness. The large housing provides optimal space for all functions of your special application. The NOVA-XL transmitter can be equipped with many standard options such as a charging circuit including cable control, a graphic display and a variety of switch options.

PROTECTION CLASS: IP 65
TEMPERATURE RANGE: -25 to +70° C
WEIGHT: approx. 1800g
DIMENSIONS: 315 x 170 x 165 mm (W/D/H)
FREQUENCY RANGE: 223MHz – 930MHz, 2.4GHz
BATTERY TECHNOLOGY: exchangeable battery NiMH
OPERATING TIME: up to 20 hours



When metal becomes liquid, time windows become tight. With ABITRON safety radio remote controls, you move safely and precisely through all demanding processes.



EX-SERIES SAFE UNDER EXTREME CONDITIONS



EXPLOSION-PROOF

THE NEW GENERATION EX

+ APPROVED FOR EX APPLICATIONS

Explosion protection is a growing field in all areas of ABITRON applications. These include not only the classic applications such as mining and the chemicals industry, but also many fields of application in the processing industry. To meet your requirements, we offer you a broad portfolio of explosion-proof safety radio remote controls.

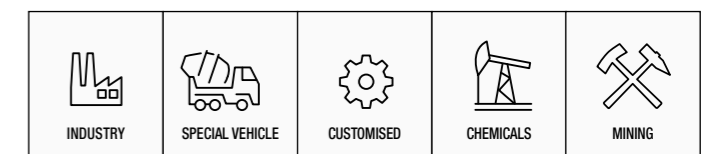


NOVA-L EX EXPLOSION-PROOF

The compact explosion-proof classic

The NOVA-L transmitter is the classic in the field of explosion-proof transmitter designs from ABITRON. This transmitter can already be equipped extremely versatile: Select key switches, stop switches, toggle switches, pushbuttons and joysticks with digital or analogue functions according to your needs.

APPROVALS:	ATEX, IECEx, NEC 500/505
PROTECTION CLASS:	IP 65
TEMPERATURE RANGE:	-20 to +60° C
WEIGHT:	approx. 1600g
DIMENSIONS:	235 x 110 x 165 mm (W/D/H)
FREQUENCY RANGE:	223MHz – 869MHz
BATTERY TECHNOLOGY:	exchangeable battery NiMH
OPERATING TIME:	up to 10 hours





NOVA-XL EX EXPLOSION-PROOF

Ergonomic and robust with maximum variability

The NOVA-XL transmitter is setting standards in the explosion-proof field. The extremely robust housing can be comfortably gripped, even under the most adverse conditions. We can implement your customised solution with a variety of options. The NOVA-XL transmitter is the smallest design in which a graphic display can be integrated.

APPROVALS:	ATEX, IECEx, NEC 500/505	DIMENSIONS (W/D/H):	315 x 170 x 165 mm
PROTECTION CLASS:	IP 65	FREQUENCY RANGE:	223MHz – 869MHz
TEMPERATURE RANGE:	-30 to +60° C	BATTERY TECHNOLOGY:	battery, NiMH
WEIGHT:	approx. 1800g	OPERATING TIME:	up to 10 hours



GL EX EXPLOSION-PROOF

Clear and functional

The plain and straightforward design characterises the GL form of the ABITRON EX products. This transmitter is always popular when there is a need for the highest level of clarity paired with maximum functionality.

APPROVALS:	ATEX, IECEx, NEC 500/505	DIMENSIONS (W/D/H):	300 x 180 x 185 mm
PROTECTION CLASS:	IP 65	FREQUENCY RANGE:	223MHz – 869MHz
TEMPERATURE RANGE:	-20 to +60° C	BATTERY TECHNOLOGY:	battery, NiMH
WEIGHT:	approx. 1400g	OPERATING TIME:	up to 10 hours



GR EX EXPLOSION-PROOF

For maximum loads

The GR transmitter is designed for the most extreme loads. A classic in mining and on offshore platforms. Whether joystick or toggle switch, there is a variety of controls available.

APPROVALS:	ATEX, IECEx, NEC 500/505	DIMENSIONS (W/D/H):	290 x 200 x 135 mm
PROTECTION CLASS:	IP 65	FREQUENCY RANGE:	223MHz – 869MHz
TEMPERATURE RANGE:	-30 to +60° C	BATTERY TECHNOLOGY:	battery, NiMH
WEIGHT:	approx. 2500g	OPERATING TIME:	up to 10 hours

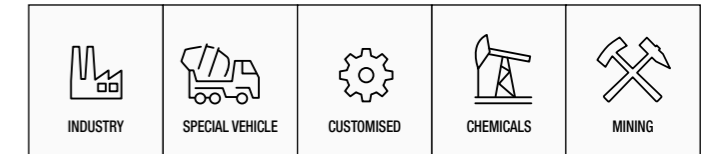
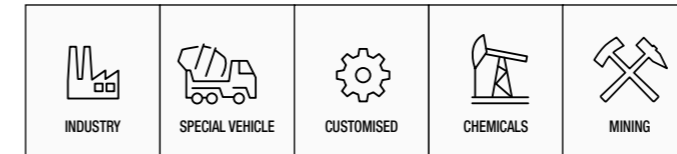
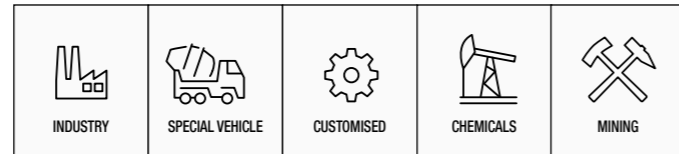
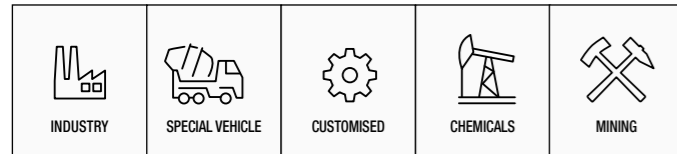


EURO EX EXPLOSION-PROOF

Comfortable despite a maximum number of controls

The EURO transmitter is the largest housing offered by ABITRON. Here you can integrate a maximum number of controls such as key switches, stop switches, toggle switches, pushbuttons and joysticks. Despite its size, the EURO transmitter can be comfortably worn with a chest plate or shoulder harness.

APPROVALS:	ATEX, IECEx, NEC 500/505	DIMENSIONS (W/D/H):	425 x 235 x 120 mm
PROTECTION CLASS:	IP 65	FREQUENCY RANGE:	223MHz – 869MHz
TEMPERATURE RANGE:	-30 to +60° C	BATTERY TECHNOLOGY:	battery, NiMH
WEIGHT:	approx. 5500g	OPERATING TIME:	up to 10 hours



Explosion protection is becoming an increasingly important aspect across all application areas of ABITRON. Count on the superior quality and safety of ABITRON safety radio remote controls in the mining, chemicals and manufacturing industries.



RECEIVER THE SAFE CONNECTION TO THE MACHINE



RECEIVER

+ EASY AND QUICK TO CONFIGURE

The majority of ABITRON's receivers have a modular structure, which brings some great benefits to your application: The receivers can be equipped quickly, cost-optimised and adapted to your application. In the event that your device is in need of repair, the modules can be replaced by our service staff in an instant, reducing downtime to an absolute minimum.

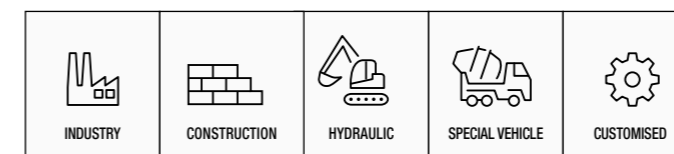


HS-1 HOUSING VERSION SMALL

Compact and for digital or serial interfaces

The smallest receiver housing in the ABITRON family has been specially designed for mobile applications with limited space. Due to its compact design, it can also be mounted in hard to reach places. Both digital and serial interfaces can be implemented in this housing variant.

INTERFACES: RS 232/485, CANopen, CANopen Safety, DeviceNet, J1939, Profibus, Industrial Ethernet, Relay outputs, Transistor outputs
PROTECTION CLASS: IP 65
TEMPERATURE RANGE: -25 to +70° C
WEIGHT: approx. 800g
DIMENSIONS: 165 x 115 x 65 mm
FREQUENCY RANGE: 223MHz – 930MHz, 2.4GHz
OPERATING VOLTAGE: 8 – 30 VDC

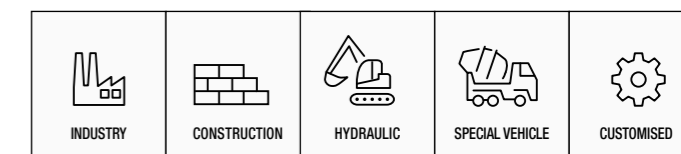


HS-2 HOUSING VERSION LARGE

The universal receiver

The receiver housing HS-2 is the universal housing of ABITRON. This type offers various standard digital receivers, ranging from the RX 14+ to the RX 26+. Analogue outputs for controlling loading cranes or special machines can be easily implemented here. There are standard receivers for these applications, such as the BMS-1 and BMS-2. The HS-2 housing is also used for customised solutions and equipped according to your requirements.

INTERFACES: RS 232/485, CANopen, DeviceNet, J1939, Profibus, Industrial Ethernet relay outputs, transistor outputs, voltage outputs, current outputs
PROTECTION CLASS: IP 65
TEMPERATURE RANGE: -25 to +70° C
WEIGHT: approx. 1800g
DIMENSIONS: 245 x 165 x 90 mm
FREQUENCY RANGE: 223MHz – 930MHz, 2.4GHz
OPERATING VOLTAGE: 8 – 30 VDC, 48 – 240 VAC, depending on equipment





RECEIVER



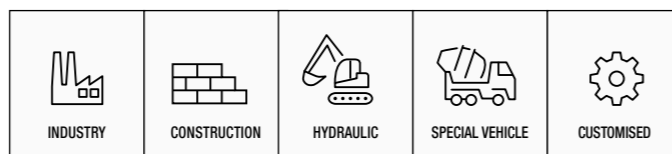
RECEIVER RX CBB-1 NEW RECEIVER GENERATION

NEW

Analogue and digital inputs with easy pairing

The RX CBB-1 is the latest generation of compact interface receivers. This newly developed technology offers a variety of possibilities, such as two separate CAN interfaces, analogue and digital inputs, datalogging and easy pairing.

INTERFACES: CANopen, CANopen Safety, J1939, Industrial Ethernet
 PROTECTION CLASS: IP 65
 TEMPERATURE RANGE: -25 to +70° C
 WEIGHT: approx. 800g
 DIMENSIONS: 165 x 115 x 65 mm
 FREQUENCY RANGE: 223MHz – 930MHz, 2.4GHz
 OPERATING VOLTAGE: 8 – 30 VDC



INDUSTRIAL ETHERNET NEW

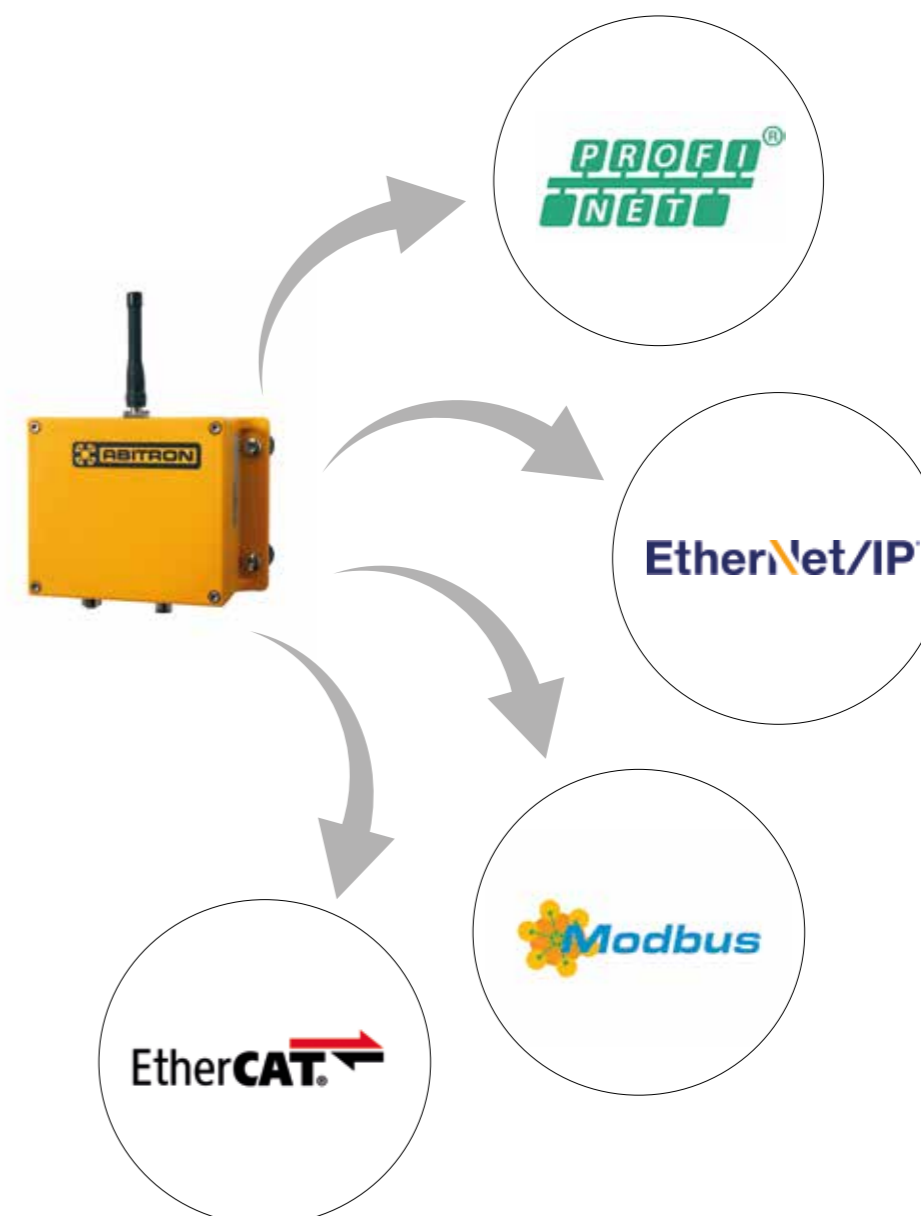
+ MAXIMUM CONNECTIVITY – MAXIMUM FLEXIBILITY

As part of Industrial Ethernet, new networking technologies have been created that adapt the Ethernet standard to industrial environmental conditions. Industrial Ethernet makes it increasingly possible to create a transparent network infrastructure that is consistent across all levels. Thus, Industrial Ethernet offers completely new and much higher flexibility than most of the networks used so far.

+ YOUR INDUSTRIAL ETHERNET SOLUTION AT ABITRON

ABITRON has a multitude of possibilities in the field of Industrial Ethernet. With the RX 14+ Industrial Ethernet, ABITRON offers a universal receiver that can be adapted to your requirements with a wide variety of software. Available interfaces include PROFINET, EtherNet IP, ModBus-TCP and EtherCAT.

ABITRON provides two RJ45 connectors as standard. Thus, you do not need an extra switch. You have the option of receiving your desired plug-in connection from us.





CERTIFICATIONS

+ ABITRON has been committed to maximum quality for many years and we lay the foundation stone for this already during the development phase. New products are already discussed with accredited institutes during concept development, and are developed according to TÜV (German Technical Inspection Association). This is the prerequisite for a successful product that is tested and certified according to the latest standards.

+ ISO 9001:2015
ABITRON is regularly audited by independent testing institutes for compliance with operational procedures. We are very proud that these audits are passed with flying colours and we have a consistently high level of quality according to ISO 9001:2015.

+ TÜV TYPE EXAMINATION CERTIFICATE
ABITRON has a large number of TÜV type examination-certified radio remote controls pursuant to EN ISO 13849-1 and EN 62061. These examination certificates are being constantly extended.

+ DNV-GL EXAMINATION CERTIFICATE
For your offshore applications, ABITRON offers a variety of products, which have a DNV-GL examination certificate.

+ LARGE PORTFOLIO OF RADIO APPROVALS
ABITRON safety radio remote controls are certified with country-specific postal approvals. A unique selling proposition here is that we use the same frequency band in Europe, Australia, China, USA, Russia, UAE and India.

+ EX-PRODUCTS
ABITRON has extensive EX approvals such as ATEX, IECEx and NEC 500/505 for the chemicals industry, mining and for many applications in the manufacturing industry.

+ CERTIFICATES ON REQUEST
If you need additional certificates in order to use an ABITRON safety radio remote control for your application, please contact our ABITRON team.



ABITRON SPARE PARTS AND ACCESSORIES

Since many radio remote controls are exposed to heavy loads, they occasionally need spare parts. At ABITRON you can conveniently place your order by phone, fax or email. We take care of the immediate delivery of all relevant items. Our staff are happy to advise you.



CHARGER BCM-1

100-240VAC / for mini-battery
EU, UK, US & AUS ADAPTER
KH68108570



also available with:

9-36VDC VEHICLE ADAPTER KH68108690
9-36VDC FLAT RECEPTACLES KH68108670



CHARGER BCP-M

100-240VAC / for E-Pack
EU, UK, US & AUS ADAPTER
KH68104570



also available with:

9-36VDC VEHICLE ADAPTER KH68104690
9-36VDC FLAT RECEPTACLES KH68104670



CHARGER BCT-1

100-240VAC / for TGA battery
EU, UK, US & AUS ADAPTER
KH68108101



also available with:

9-36VDC VEHICLE ADAPTER KH68108131
9-36VDC FLAT RECEPTACLES KH68108151



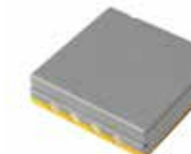
BATTERY MINI

NiMH 3,6V/1,9Ah
KH68300990



BATTERY E-PACK M

Li-Ion 3,6V/8,6Ah
KH68304000



BATTERY TGA

NiMH 6,0V/1,0Ah
KH68302500



BELLY BELT WITHOUT PADDING

NOVA-M
KH11406600



BELLY BELT WITH PADDING

T-Series, NOVA-L and NOVA-XL
KH11406052



NECK BELT WITH PADDING

T-Series, NOVA-Series and GL
KH11406202



SHOULDER CROSS BELT

with padding, breast pocket, reflective strips
T-Series, NOVA-Series, GL, GR, EURO
KH11406900



SHOULDER BELT

TGA/TGB
KH11404105



ANTENNA MINIFLEX

TNC / 419-460MHz
KH56504011



ANTENNA MINIFLEX

TNC / 850-900MHz
KH56504100



ANTENNA DUAL BAND FLEXIBLE

TNC / 434MHz / 869MHz
KH56506500



ANTENNA EXTENSION

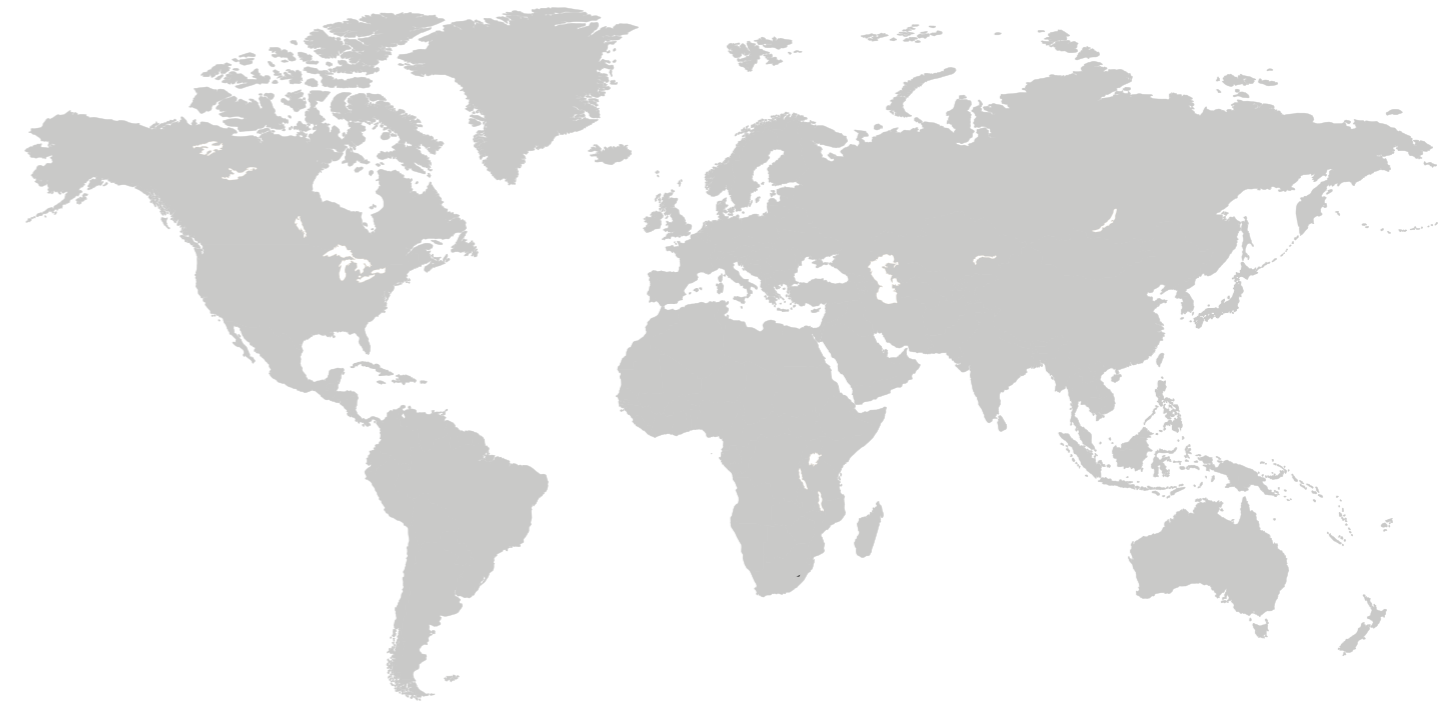
RG58 TNC->3,0m->TNC with holder
TNC PLUG STRAIGHT -> TNC SOCKET STRAIGHT
56501300-L03.00M

WORLDWIDE, WHERE YOU NEED US

At ABITRON, we understand how important the availability of our products is to your application. ABITRON attaches great importance to accessibility and personal service.

Partners worldwide

ABITRON has a large network of partners, which is constantly expanding. ABITRON has partners on every continent and in almost every country in Europe. The partners are regularly trained so that they are up-to-date and able to respond quickly to customer requests.



ADDRESSES

ABITRON AUSTRIA GMBH
Wiesnerstraße 20
4950 Altheim
Austria
Fon: +43. 7723. 44860. 0
Fax: +43. 7723. 44860. 104
Email: info@abitron.at

ABITRON GERMANY GMBH
Adalbert-Stifter-Straße 2
84085 Langquaid
Germany
Fon: +49. 9452. 189. 0
Fax: +49. 9452. 189. 201
Email: info@abitron.de

Partner

www.abitronremote.com



CONTROL. EVERYTHING. EVERYWHERE.



ABITRON AUSTRIA GMBH
Wiesnerstraße 20
4950 Altheim
Austria
Fon: +43. 7723. 44860. 0
Fax: +43. 7723. 44860. 104
Email: info@abitron.at

ABITRON GERMANY GMBH
Adalbert-Stifter-Straße 2
84085 Langquaid
Germany
Fon: +49. 9452. 189. 0
Fax: +49. 9452. 189. 201
Email: info@abitron.de

www.abitronremote.com

Photos | Graphs | Image rights | Copyright:
ABITRON Group
Stock photos: Stock.Adobe.com