



seit 1970  
**intertechno**<sup>®</sup>



Funk-Technik GmbH



# Radio Technology

**Absolute freedom  
for switching of lamps  
and electrical appliances!**



**Amazingly  
attractive price.  
Easy to install.**

## Radio technology for homes and gardens:

Easy, genius, dust-free and promptly realizable, even without special knowledge. From our comprehensive range of products select the appropriate transmitter and receiver.

**Transmitters** send out commands and **receivers** execute the switching commands.

Taking the units into operation is very easy and in most cases no tools are required.

We recommend using high-quality electrical devices together with the radio receivers.

This is particularly applicable for circuitry of energy-saving lamps and motors for blinds and roller shutters.

Example: you would like an additional light switch?



← like this?

or

like this? →



If a receiver is installed, it can retroactively be controlled with any kind of transmitter (wall-mount or hand-held transmitter, motion sensor, ...).

Even complicated circuitry (two-way, cross, or impulse connections, ... and even dimmable connection) is easily possible without elaborate cabling.

Thanks to the very easy and variable positioning of transmitters, temporary operation, e.g. for visitors, people who are ill, people in need of care, children, disabled, ... is no problem.

Below, we present a list of circuitry requirements that could hardly be realized without radio technology:

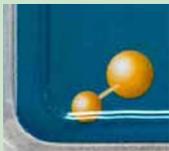
- In rented flats where installations would have to be removed or changed back.
- Amazing flexibility in case you want to rearrange your furniture.
- Prefabricated houses with wooden beam constructions (retrofitting of cables is almost impossible)
- In listed buildings and constructions, e.g. with stucco ceilings, mural paintings, ...
- Radio switches in children's bedrooms are absolutely harmless and suitable for children.
- Retroactive power activation for bedrooms (switching without electro-smog).



### Which products are compatible with each other:

#### Receiver with self-learning coding

These receivers are able to understand ALL intertechno transmitters. 6 storage locations are available. This allows for several receivers to be switched simultaneously (group circuit) or individually.



#### Transmitter for self-learning receivers

These transmitters allow for quick pre-coding and are ONLY suitable for self-learning receivers! **67 m codes for superior safety!**



#### Transmitter and receiver with coding wheel

These TRANSMITTERS are suitable for ALL intertechno receivers. RECEIVERS with coding wheel can ONLY be switched by transmitters with coding wheel. The number of components used is not limited!

## intertechno On/Off radio receivers

For switching on and off of all types of electrical appliances. They only need to be integrated in the power supply line of the device and are then switched by means of the radio transmitter: Lamps, motor, pump, ventilator, heater, etc. Suitable for both surface and concealed installation. Installation boxes from Ø 65 mm are recommended.



### On/Off CMR-1000:

The best option for switching all kinds of appliances (up to 1000 W). Suitable for all  radio transmitters with coding wheel.



### Universal radio receiver, potential-free ITL-1000:

A large range of applications possible through optional automatic switch-off:

0: ON/OFF as desired

2 sec: Potential-free switching of garage doors, door openers, ...

2–15 min: Corridor light, ventilators (WC), entrance light, etc.

2–8 h: Outside lights, ceiling and wall lights, shop windows.

Suitable for all  radio transmitters.



### Power activator ITDL-1000:

For electro-smog-reduced living.

Recommended for bedrooms and children's rooms.

All-pole switch-off: 2 relays switch the phase and the neutral.

Suitable for all  radio transmitters.



## intertechno On/Off radio receivers - special products



### On/Off CMR-1224:

The integration switch is intended for both 12 Volt / 15 Amp and 24 Volt / 7 Amp. direct current for switching of lamps and electrical appliances. Ideal for model making, for use in vehicles, boats, camping applications, solar systems. Suitable for all  radio transmitters with coding wheel.



### Radio switch for installation, triple ITL-3500:

3 appliances can be optionally switched with any transmitter, either simultaneously or individually. Overall output of all devices connected 3500 Watt. Ideal, if several switching options are required: Lamps, string of lights, pump, heater, ventilators, etc. Also very well suitable for outdoor application, if installed in an IP 56 box. Suitable for all  radio transmitters.



### Radio module On/Off ITL-230:

For installation behind any commercially available or present light switch. For extension of existing light lines for multiple connections. Manual switching or remote operation of lights up to 230 Watt.

For incandescent lamps and halogen lamps and for dimmable electronic transformers. No LEDs and energy-saving lamps. Also available as dimmer ITL-210. Suitable for all  radio transmitters.



## intertechno dimmer radio receivers

For infinitely variable brightness control of light fixtures. Thus, it caters for pleasant, romantic illumination of a room. Light fixtures with up to 300 Watt can be remotely controlled with  radio transmitters.

**Suitable for both surface and concealed installation.**

Installation boxes from Ø 65 mm are recommended.



### Dimmer CMR-300:

The best option for switching/dimming all kinds of incandescent lamps and halogen lamps without transformers (approx. 50-300 W). Not suitable for energy-saving lamps.

Suitable for all  radio transmitters with coding wheel.



### Dimmer ITL-300:

The same power rating as CMR-300 but with glass-tube fuse and removable assembly frame. Not suitable for energy-saving lamps.

Suitable for all  radio transmitters.



### Radio dimmer for energy-saving lamps ITL-150:

Special integrated switch eminently suitable for high-quality energy-saving lamps (20-150 W) that are well suitable for dimming. Through lower residual current this product is also recommended for low-power incandescent lamps or high-voltage halogen lamps.

Suitable for all  radio transmitters.



### Radio module dimmer ITL-210:

For installation behind any commercially available or present light switch.

This product turns every existing switch into a dimmer and can be remotely radio-operated by an optional number of transmitters! Suitable for incandescent lamps and halogen lamps without transformer or with dimmable electronic transformers with up to 210 Watt.

No LEDs and energy-saving lamps. Also available as switch ITL-230.

Suitable for all  radio transmitters.



## Intertechno radio switches for control of drive units of any kind

The most comfortable option for operating blinds, roller shutters, awning or door drives. Switching power up to 500 Watt, each.



### Blinds switch CMR-500:

Automatic safety switch-off after 2 minutes. Particularly suitable in connection with a hand-held or wall-mount transmitter, especially when fine-adjustment of the lamellae position in blinds is required. Suitable for all  radio transmitters with coding wheel.



### Blinds switch ITL-500:

Automatic safety switch-off after 5 minutes. Particularly suitable for large awnings or drive units for pool covers. Also recommended for use with the timer switch Radio timer ITZ-500. Suitable for all  radio transmitters.



## intertechno radio lamp socket On/Off LBUR-100

For wireless switching of all lamps up to 100 Watt with E27 thread: incandescent lamps, energy-saving lamps, high-voltage halogen lamps, LED lamps.



In places where only one power supply line is available and installation of a switch would be difficult. In gardens, cellar rooms, garages, storage spaces, WC, etc. Suitable for all  radio transmitters.



## intertechno hand-held radio transmitter

A large range of  hand-held transmitters for compliance with the most varied requirements. The transmitters are not stationary and can thus be used independently and „personally“ in a distance of up to 30m off the respective receiver.

### Mini transmitter ITK-200:

The radio transmitter functions as key ring. Switches any desired receiver. Ideal as permanent companion for a large number of applications, e.g. for switching of outside lights or the garage door. Suitable for all  receivers.

### Mini transmitter ITKL-2:

For switching of 2 learning receivers. The ideal companion hanging from your key ring. Weather-resistant, thus well suitable for outside application. High degree of safety through 2 of 67 m randomly selected codes.

Consequently, highly recommended for garage doors or door openers.

Suitable for all learning  receivers (without coding wheel).



### Hand-held radio transmitter ITLS-16:

Equipped with 16 different codes. Very elegant and, at the same time, handy thanks to its new soft design. Also available in a kit together with the intermediate plugs ITLR-3500 and ITLR-300. Suitable for all learning  receivers (without coding wheel).

### Hand-held transmitter ITS-150:

The hand-held radio transmitter with additional group switching option. For 16 out of 256 self-coding switching options. Including transparent wall-mount holder. Suitable for all  receivers.

### Radio timer ITZ-500:

Easy operation for complete automation of switching sequences. 12 options per day for switching of 3 programme types exact to the minute.

1. One-time switching
2. Daily repeated switching
3. Random switching simulates presence of people.

Including transparent wall-mount holder.

Applications: Alarm clock, blinds, staircase lights, outside lights, plant lights, aquarium, ...

Suitable for all  receivers.



## intertechno wall-mount radio transmitter

The wall-mount radio transmitters switch all types of radio receivers, even radio Gong SLR-7000. They can also be used for dimming of lights and for switching of roller shutters.

These unique wall-mount transmitters are fixed to the wall by means of screws or twin-sided adhesive tape. This allows for amazing installation options, even on wall-paper, glass, mirrors, tiles or wood.

### Wall-mount radio transmitter YWT-8500:

Manifold options for use. Two-way connections or cross connections can thus be easily realised. Uncomplicated application in any desired number. Suitable for all  radio receivers.

### Wall-mount radio series transmitter ITW-852:

A series switch for residential areas. It allows for switching of 2 radio receivers. Design and field of application the same as with YWT-8500. Suitable for all learning  radio receivers (without coding wheel).

### Double frame IT-2:

For elegant and neat installation of 2 wall-mount transmitters, e.g. wall-mount radio transmitter YWT-8500 and series switch ITW-852. Also suitable for additional installation of a motion sensor PIR-1000.

### Weather protection housing ITX-85:

For protection of wall-mount transmitters in exterior areas under extreme conditions (IP 56). Guaranteed to withstand any storm.

## Magnetic radio switch ITM-100

For attachment to windows, doors, ... - with uncounted options for use. Optional setting for either switching on or off during opening or closing.

Switch-on or switch-off of light when opening doors of any kind (also for sliding doors), thus also suitable for installation at/in furniture. Also suitable for activation of a bell when opening the door or for switch-off of the heater when opening the window. Safety application in connection with an optional number of radio receivers is also possible. Suitable for all  radio receivers.



## intertechno radio motion sensor

Battery-operated for many location-independent kinds of applications both outside and within buildings. Switch-off is performed automatically according to optional time setting.



### Radio motion sensor PIR-1000:

Elegant solution for interior applications. Can also be mounted in the double frame IT-2 in combination with wall-mount radio switches for a very elegant appearance. Suitable for all learning  receivers (without coding wheel, also for Gong ITR-7000).

### Radio motion sensor PIR-5000:

With weather protection (IP44), can thus be mounted outside. Its detection range (approx. 12 m) can be adjusted in any direction.

Suitable for all  receivers (also for radio Gong MLR-7100 and MLR-8300!).



## intertechno radio transmitters - special products

For independent, automatic switching.



### Radio daylight control switch ITDS-50:

This product switches all learning  radio receivers when twilight sets in. Switching period can be optionally selected from 2 to 8 hours or "AUTO" at the selected degree of brightness. Either for wall-mounting or simply as free-standing element! Independent thanks to battery-operation. Extremely weather-resistant (IP56), thus suitable for outside use.

#### Applications:

Ideally suitable for switching of lamps in court and garden areas or for automatic switching of shop window lights. Also for automatic control of blinds (depending on brightness value).



### Radio extension ITV-100:

Doubles the reach of all ON/OFF  radio transmitters. By this means, improvement of radio transmission is achieved in adverse conditions. Extremely weather-resistant (IP56), thus also suitable for outside use. Suitable for all  radio transmitters.

Not suitable for blinds switches and dimmers.



### Radio-controlled twin transmitter ITS-2000 **NEW!** (from 2012 onwards):

Every switch becomes a remote control! Due to its double connectivity, the modular transmitter is ideally suited for series switches as well. The potential-free input can be used for all kinds of switches, thermostats, sensors, limit switches of gates, bell pushbuttons, and many more. Battery-operated, and completely safe as a result!

Suitable for all learning  receivers (without coding wheel).



## intertechno radio intermediate adapter

They provide special comfort and safety. While sitting on a chair or lying in your bed you can use this product to comfortably and wirelessly switch lamps or electronic appliances on or off. The radio intermediate adapters can be combined with any other  radio components, even with motion sensors.

No installation required. Simply plug in!

### Radio intermediate adapter kit of three IT-1500:

These come with a very favourable price and can be combined with all other transmitters and receivers by intertechno. Ideal for switching of all loads up to 1500 Watt. The option of teaching 3 codes into every receiver even allows for group circuits. Suitable for all .

### Radio intermediate adapter in soft design ITLR-3500:

Stability and ruggedness in new soft design. This product is of stable value and easy to operate. Applicable for any ON/OFF switching tasks and all types of lamps up to 3500 W. Suitable for all .

### Radio intermediate adapter with automatic switch-off in soft design ITLR-3500T:

Switching on/off via any desired transmitter. Switch-off can be performed manually or automatically after a pre-set period (variable from 7 seconds to 8 hours, depending on requirement). Maximum 3500 W.

#### This allows for many interesting possibilities, such as:

- 7 sec. for the waste disposal unit in kitchens, door openers, 230 VAC signals (siren)
- 5 min. for circulating pump for hot water during the time it is actually needed.
- 30 min. to 8 hours for any kinds of other applications in a household.

If used for automatic switch-off, the radio Gong momentary switch SLT-7000 is also suitable, e.g. as momentary switch for switch-on of a hot-water circulating pump.

Suitable for all .

### Radio intermediate dimmer adapter in soft design ITLR-300:

Its new soft design gives it a particularly attractive appearance, also in residential areas. For dimmable lamps 40-300 Watt (no LEDs and energy-saving lamps). Produces enchanting and romantic light effects.

Suitable for all .





### Radio plug strip, 4x IT-2300:

For joint switch-on or switch-off of your entire electronic entertainment system or of several lamps, printers, indoor water features, etc. Energy-saving through standby reduction of all connected appliances to approx. 0.7 Watt. Up to 2300 Watt overall power of all connected appliances and/or lamps. Suitable for all  radio transmitters.

### Radio intermediate adapter - outdoor On/Off GRR-3500:



Extremely robust design for rugged applications in outdoor areas. Independent of temperatures. With sealing strips and non-corroding screws, made for long-term operation. Power up to 3500 Watt. Suitable for all radio transmitters.



## intertechno radio gongs

Simply plug the gong into any desired socket (230 VAC) in the house and mount the momentary switch using screws or twin-sided adhesive tape. Gongs and momentary switches are individually available or can be optionally combined with each other! Can be used for:

**Door gong:** universally applicable for children, guests, tenants, ...

**Summoning bell:** at your work place, warehouse, service, kitchen, etc.

**Emergency bell:** ideal for people who are ill or disabled, also for temporary use.



### Radio gong kit (self-learning) IT-7000:

Universally applicable, for example it can be combined with a motion sensor or with a radio extension device for larger distances. 3 variable settings are possible:

- SOUND + flash light
- SOUND only, or
- flash light only (mute mode)

GONGS and momentary switches are individually available for extension options. Suitable for all  radio transmitters.



### Radio gong kit with red flash light ML-7100:

This gong can be taken along into any room of the house and can only be extended with the gong types ML-8300 and MLR-7100 as well as additional momentary switches MLT-7100 and the radio motion sensor PIR-5000.



### Radio gong kit with additional socket ML-8300:

Can be used in the same way as ML-7100, yet the included socket provides the advantage for existing electrical appliances to remain plugged-in without the gong blocking the socket. Only extendable with the radio gong ML-7100, additional momentary switches MLT-7100 and radio motion sensors PIR-5000.



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Our company was founded in 1970 and since 1990 we have dealt with radio circuitry for households. Developing products to be universally applicable and easy to use and at the same time make them extendable for ever new applications - that is our goal.



Currently our product range includes 40 devices with a plethora of options for application. Ranging from a simple plug-in gong (we were the first to introduce this product to the European market, by the way) up to rather sophisticated domestic installations. It goes without saying that all devices are tested and approved in accordance with applicable EU regulations and are constantly subjected to inspections by our quality control department. Diligent production and technically impeccable quality are our top priority. We only use components by renowned manufacturers.

Currently we distribute our products to many European countries where we cooperate with prestigious partners. We also provide solutions for special developments that we produce for our customers from the industries.

Products are approved according to currently valid European regulations and are largely protected by property rights for Europe.



Many satisfied customers give us repeated confirmation and reassurance of our high standards, every day. We hope to also satisfy your needs.

All operating manuals and technical data can be found at:

[www.intertechno.at](http://www.intertechno.at)

