



INTUSONIC InTUPAK VRE11 Audio Remote Control Panel User Manual

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INTUSONIC

INTUSONIC InTUPAK VRE11 Audio Remote Control Panel



Product Information

INTUSONIC VRE11 is an audio remote control panel manufactured by Universal Technical Industries Co. Ltd., under the brand INTUSONIC.

It is designed and distributed by Adelto Industries Limited, located at Unit 4 Britannia Business Park Comet Way, Southend-on-Sea Essex, SS2 6GE, United Kingdom.

The product conforms to the following directives/standards/regulations:

- EMC Directive 2014/30/EU EN55035:2017
- LVD Directive 2014/35/EU EN62368-1
- ROHS2 Directive 2011/65/EU & 2015/863/EU EN63000:2018

Important Safety Instructions

- Read these instructions and all markings on the product. Keep these instructions.
- Heed all warnings and instructions, both in this manual and on the product.
- Clean only with a dry cloth. Unplug the unit or its power adaptor/charger from AC supply before cleaning.
- Do not use this product near water and avoid any exposure to water.
- Before connecting this product to any AC supply (if any), make sure to check whether the AC mains voltage and frequency match the indication on the product and its packaging.
- Only connect this product or its power adaptor/charger to an AC supply (if any) with sufficient power handling, protective earth connection, ground-fault (earth-fault) protection, and overload protection.
- Disconnect the product or its power adaptor/charger from the AC supply (if any) during thunderstorms or longer periods of being unused.
- Make sure any heat sink or other cooling surface, or any air convection slot, is exposed sufficiently to free air circulation and is not blocked.
- Do not operate this product in environmental temperatures exceeding 35 degrees Celsius and/or 85% relative humidity.
- Position the product in a safe and stable place for operation, out of reach of unauthorized persons.

- Make sure any cable connections to and from the product are neither subject to potentially destructive mechanical impact nor present any risk of stumbling or another accident risk to people.
- Audio equipment may generate sound pressure levels sufficient to cause permanent hearing damage to persons. Always start up at low volume settings and avoid prolonged exposure to sound pressure levels exceeding 90dB.
- Do not open this product for service purposes. There are no user-serviceable parts inside. Refer to authorized service centers for repair.

Health Advice

This unit may produce and absorb electromagnetic radiation. The strength of radiation and the sensitivity for disturbing interference matches the CE and FCC requirements. A corresponding sign is printed on the backside of the unit. Any change or modification may affect the behavior of the unit concerning electromagnetic radiation, with the CE and FCC requirements eventually not to be met anymore. The manufacturer takes no responsibility in this case.

Functional Advice

(only for powered products)

This unit is immune to the presence of electromagnetic disturbances – both conducted and radiated – up to a certain level. Under peak conditions, then unit is classified to show a “class C” performance criteria and may encounter temporary degradation or loss of function which may need manual help to recover. In such case, switch the unit off and back on to recover.

Environmental Advice

This unit is built to conform to the ROHS-2 standard according to directive 2011/65/EU and the WEEE directive 2012/19/EU of the European Parliament and of the Council of the European Union. Under these regulations, the product shall not be discarded into regular garbage at the end of its life, but shall be returned to authorized recycling stations.

Battery Advice

(only for battery-powered products)

Some products may contain a battery. Refer to the further chapters of this manual to determine whether this product contains a battery, and whether this is removable and/or rechargeable.

Where applicable, adhere to the relative regulations in aviation transport.

If the battery is rechargeable, the battery might not be fully charged or partly discharged at the time of purchase. Recharge before use.

Only use recommended or included chargers with appropriate voltage/current rating.

WARNING! Fire hazard. Batteries might heat up during charging. Only charge in a place with sufficient air convection.

Wireless Advice

- Some products may contain a wireless transmitter, receiver or transceiver. Refer to the further chapters of this manual to determine whether this product contains a wireless function, and in which frequency this operates.
- Make sure the frequency of operation does not require a specific license in the territory you operate the product

in. If it does, obtain such license prior to any operation.

- Certain wireless technologies are designed for short-distance operations. The actual distance will depend on how jammed the

Technical Data

- Power supply .+12V DC via Intulink TMM bus
- Dimensions WxDxH (/w knob) ..86×86×42 mm
- Panel mounting depth ..30 mm
- Weight0.15 kg

Warranty

This product is guaranteed to be free of defects in material and workmanship at the time of purchase. Send-in warranty repair is granted for a period determined by

A period of at least 6 months (from the date of purchase), or the minimum period required by law in the territory of sale, whichever is longer.

A period of no longer (from the date of purchase) than the specified average lifetime of a component by the component's manufacturer.

frequency band is at the location of use. In adverse cases, operational distances might be as low as 5m. In normal circumstances, 10m can be assumed. Test the operational distance prior to relying on the wireless functionality in a specific application.

Unpacking

Please check that the box contains the following items:

- 1 pc. main unit
- 1 pc. alternative front panel
- 1 pc. user manual

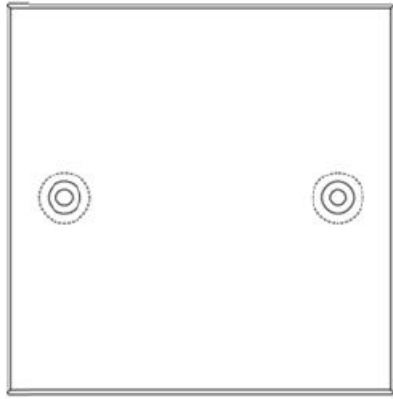
If any part is missing, please contact your dealer immediately for a replacement.

Mounting options

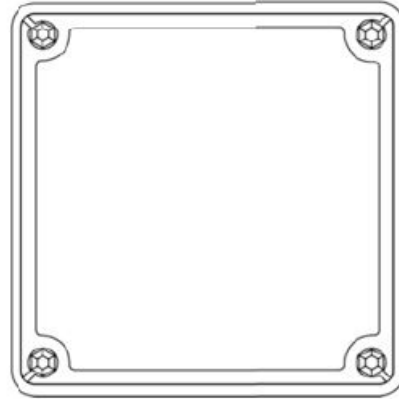
The VRE11 is designed to fit standard wall boxes, but the variety of different wall box types across various countries requires an individual assessment of the best mounting way for a specific situation. The VRE11 is conceived with the following two wall box styles in mind:

- 80mm EU style square wall box, with 4 corner mounting holes
- 86mm UK style square wall box, with 2 center mounting holes

UK BS 5733
86x86mm Box



EU (VDE 0606-1)
80x80mm Box

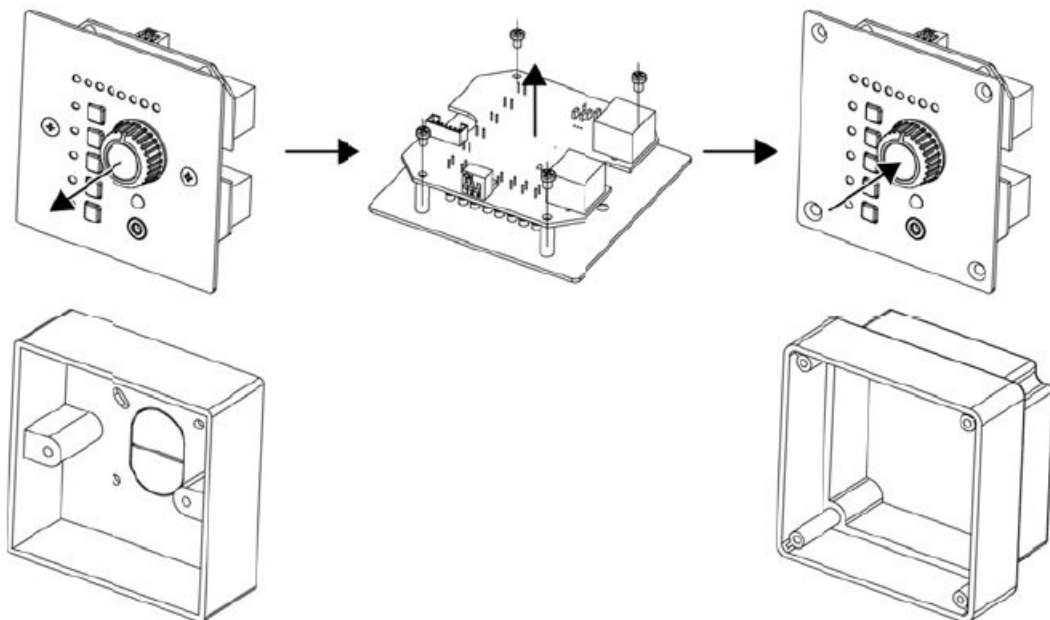


The ex-factory fitted panel is the UK-style panel. If the panel needs to be exchanged to the included EU-style replacement panel, follow the below procedure:

- Carefully pull off the volume control knob
- Loosen and remove the 4 rear-side screws which hold the PCB to the front panel.
- Carefully lift off the front panel.

Fit the new front panel without applying any force. Make sure all switch caps and LED heads align with the apertures in the front panel.

- Re-fit the 4 mounting screws which hold the PCB to the front panel.
- Re-fit the volume control knob. Make sure to align the D-shaped cavity of the knob with the shaft of the rotary control.



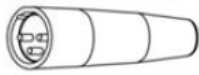

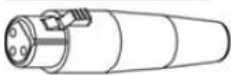

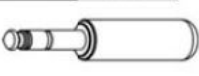
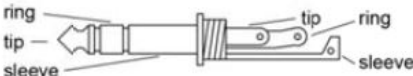
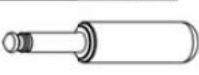
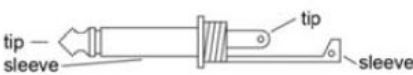
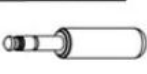
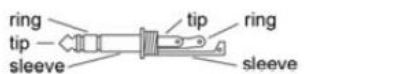





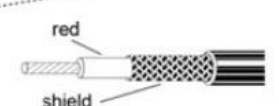
About this product

The VRE11 is a wall-mounted remote control panel for compatible Intusonic products utilizing the Intulink™ bus. This wall remote control panel allows to remotely select a source, adjust the volume, observe the level setting and feed a local audio source to the controlled unit. The VRE11 is powered by the controlled unit through a single shielded CAT5/CAT6 cable.

Cabling

This product may use all or a selection of the below connector types, for which the pin assignment must comply with the following specification.

Always make sure to use good connectors and cables to ensure proper operation. Balanced connections are to be preferred over unbalanced connections where applicable and feasible. Avoid unbalanced connections exceeding 2m of cable length.

	Structure		Balanced connection	Unbalanced connection
XLR male			red = 2 black = 3 shield = 1	red = 2 shield = 1+3
XLR female			red = 2 black = 3 shield = 1	red = 2 shield = 1+3
6.35mm TRS-stereo			red = tip black = ring shield = sleeve	red = tip shield = sleeve+ring
6.35mm TRS-mono			red = tip black = sleeve shield = uncon.	red = tip shield = sleeve
3.5mm TRS-stereo			red = tip black = ring shield = sleeve	red = tip shield = sleeve+ring
RCA			red = tip black = sleeve shield = uncon.	red = tip shield = sleeve
Terminal Plug			red = 1 black = 2 shield = 3	red = 1 shield = 2+3
CABLE Types	 			

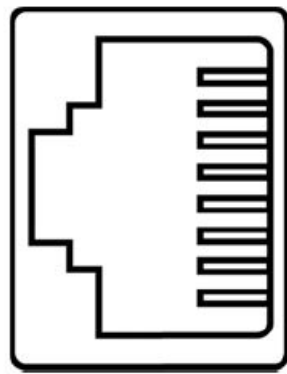
at the output of the controlled unit, turning the encoder counterclockwise will decrease the volume. The current volume setting will be indicated by the volume indicator LEDs (5). Pressing the encoder will invoke a mute status. All settings will be replicated on the user interface of the controlled unit.

- Volume indicator LEDs. This linear arrangement of 8 LEDs indicates the current volume setting. The 8 LEDs will incrementally be lit when the volume is increased via the volume control (4). It takes more than one detent of turns with the volume control to invoke the next LED, as the number of internally available volume adjustment steps is bigger than 8. All indications will be replicated on the user interface of the controlled unit.
- Source selector switches. These are tact switches accompanied by source status LEDs (7). Pressing one of these switches will change the active source to the selected source. The relative source status
- LED (7) will be lit. All settings will be replicated on the user interface of the controlled unit.
- Source status LEDs. Once a source has been selected by the source selector switches (6), the relative source status LED will be lit.

All indications will be replicated on the user interface of the controlled unit.

The Intulink™ bus system

The VRE11 uses Intusonic's Intulink™ control bus system, which uses standard CAT5/CAT6 shielded cables and combines RS485 control lines with power supply lines and a mono-balanced audio connection according to the following pinout:



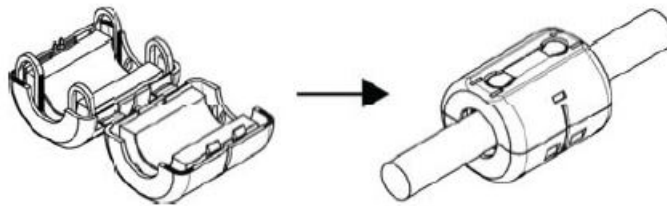
1. TXD/RXD-
2. TXD/RXD+
3. Not Connected
4. GND
5. Power +12V
6. Power -12V
7. Audio Mono Balanced +
8. Audio Mono Balanced -

Documentation of the RS485 commands used for remotely controlling devices with the Intulink™ bus system is continuously updated and hence only available for download from www.intusonic.com.

WARNING! Do not connect any other devices but Intusonic products with Intulink™ bus connection to the RJ45 ports of this unit. PC network connections or other manufacturer's RJ45-based interconnection systems are or may be incompatible, and the attempt of making such a connection may result in damage of this unit or other equipment. The manufacturer accepts no claims towards damages evolving from incorrect connections.

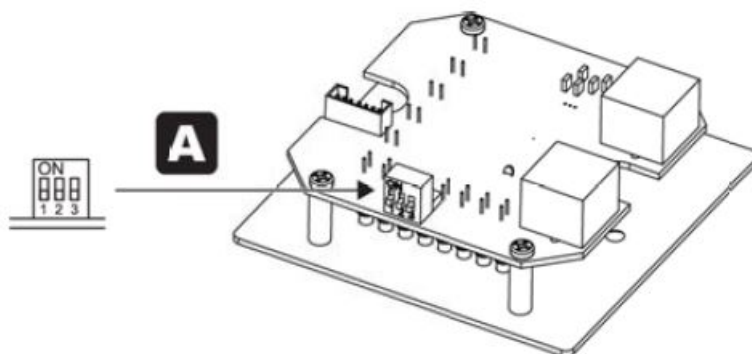
ATTENTION! Do only use shielded CAT5/CAT6 cables with shielded connectors for better suppression of interference (EMI) in long cables runs

ATTENTION! To make sure that your installation complies with EMC requirements, you must attach snap-on ferrites to both ends or at least one end (recommended close to the main unit) of the CAT5/CAT6 cable(s).



Configuration

The VRE11 can be configured to meet certain operational requirements by setting the rear-side switches:

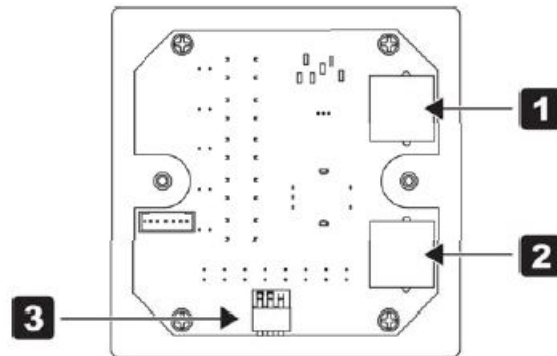


Zone setting. This is a 3-position DIP switch allowing for 8 different settings, which refer to the unit being set to one out of 8 control zones that the Intulink™ bus system can administrate. As a default, the switch is set to Zone 1 (position OFF-OFF-OFF). Other zones can be set as follows:

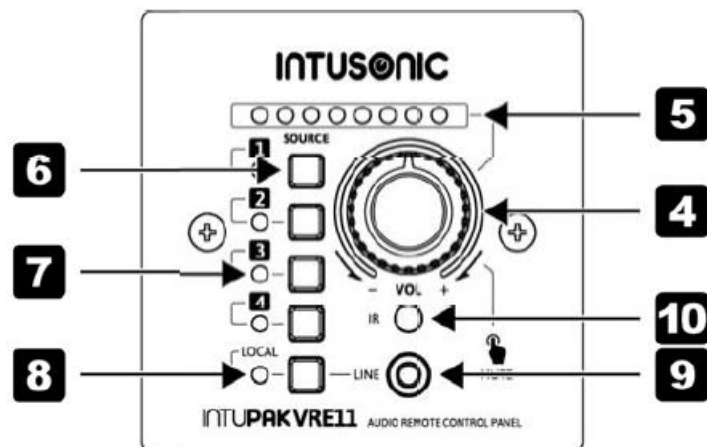
Zone #	Switch 1	Switch 2	Switch 3
1	OFF	OFF	OFF
2	ON	OFF	OFF
3	OFF	ON	OFF
4	ON	ON	OFF
5	OFF	OFF	ON
6	ON	OFF	ON
7	OFF	ON	ON
8	ON	ON	ON

Note that the VRE11 must be set to the same zone setting that the unit it is supposed to control.

Controls and Connections




1. Remote control output. This is an RJ45 jack for the connection of other Intusonic devices featuring the Intulink™ bus system.
2. Remote control loop-through. This is an RJ45 jack for the connection of other Intusonic devices featuring the Intulink™ bus system.
3. DIP switch for zone setting. Refer to the “Configuration” chapter for details.



4. Volume control. This is an infinite rotary encoder with an integrated push switch. Turning the encoder clockwise will increase the volume

INTUSONIC is a brand of Universal Technical Industries Co. Ltd.
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Documents / Resources

	<p>INTUSONIC InTUPAK VRE11 Audio Remote Control Panel [pdf] User Manual InTUPAK VRE11 Audio Remote Control Panel, InTUPAK VRE11, Audio Remote Control Panel, Remote Control Panel, Control Panel</p>
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References

- [🌐 INTUSONIC – commercial audio systems – the smart choice](#)
- [🌐 INTUSONIC – commercial audio systems – the smart choice](#)

Manuals+.