VID-TRANS150KN

2.4GHz WIRELESS AUDIO/VIDEO TRANSMISSION SYSTEM MANUAL

PATENT

ENGLISH

CE 0336

www.konigelectronic.info

Important Safety Precautions

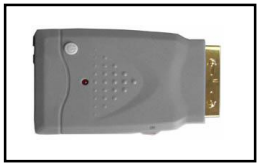
This equipment generates and uses radio frequency energy and if not installed and used properly, that is in strict accordance with the manufacture's instructions, may cause interference to radio and television reception. It has been tested and found to comply with the provisions of the 1999/5/EC R&TTE directive, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient the TV/radio antenna.
2. Relocate the Receiver away from the TV/radio receiver.
3. Plug the Receiver into a different wall outlet so that the Receiver is on a different branch circuit.
4. If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

The user is warned that changes or modifications not approved by the manufacturer could void the user's authority to operate the equipment. Linear radio controls provide a reliable communications link and fill an important need in portable wireless signaling. However, there are some limitations which must be observed.
The equipment is required to comply with the provisions of the 1999/5/EC R&TTE directive. As such, they have limited transmitter power and therefore limited range. A receiver cannot respond to more than one transmitted signal at a time and may be blocked by radio signals that occur on or near their operating frequencies. Changes or modifications to the device may void R&TTE compliance.

A. Contents of the packaging:

1. **Transmitter** ×1



2. **Receiver** ×1

3. **Power adapter** ×2
   230VAC to 7.5VDC
   ⊖—(•—⊕ ⎓ 300mA

4. **IR extender** with 2,5mm plug ×1
   For transmitter

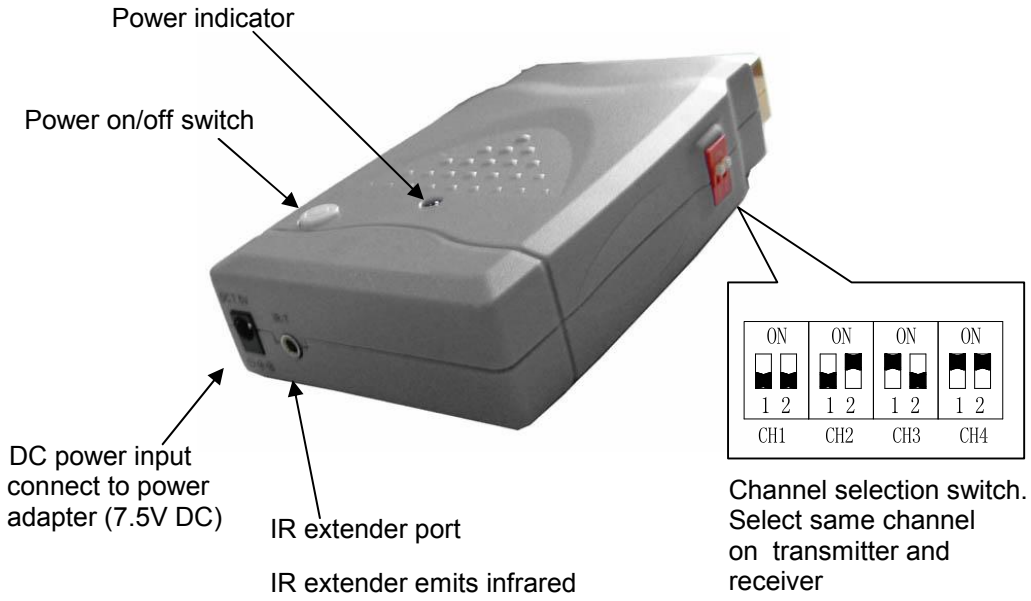
5. **IR extender** with 3,5mm plug ×1
   For receiver

B. Introduction:

This 2.4GHz system is a wireless audio/video transmission system that uses advanced wireless communication technology to deliver consistently sharp audio and video up to 80 meters in open area and 30 meters trough walls and ceilings (depending on environment circumstances). The PLL circuit controls the strength and quality of the signal by locking it. It also integrates an UHF remote control extender to allow you to control the audio or video source from another room using your existing remote controller.
Using this system, you can enjoy greater convenience of audio/video equipment in many ways.

C. Product description:

FRONT VIEW TRANSMITTER

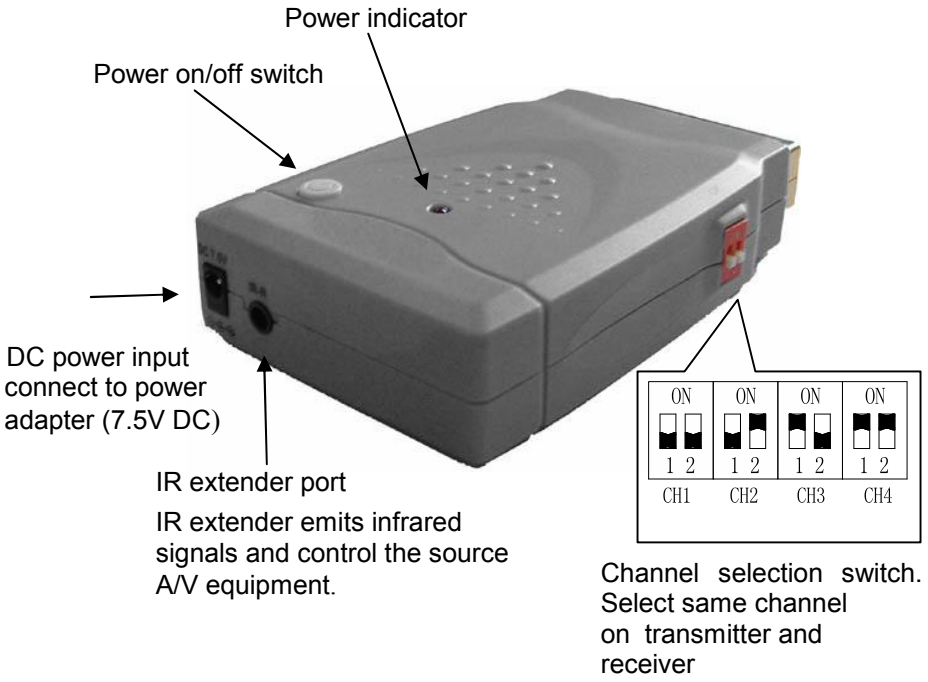


REAR VIEW TRANSMITTER

Input SCART port

Plug into the AV output port of DVD or VCR or SAT etc.

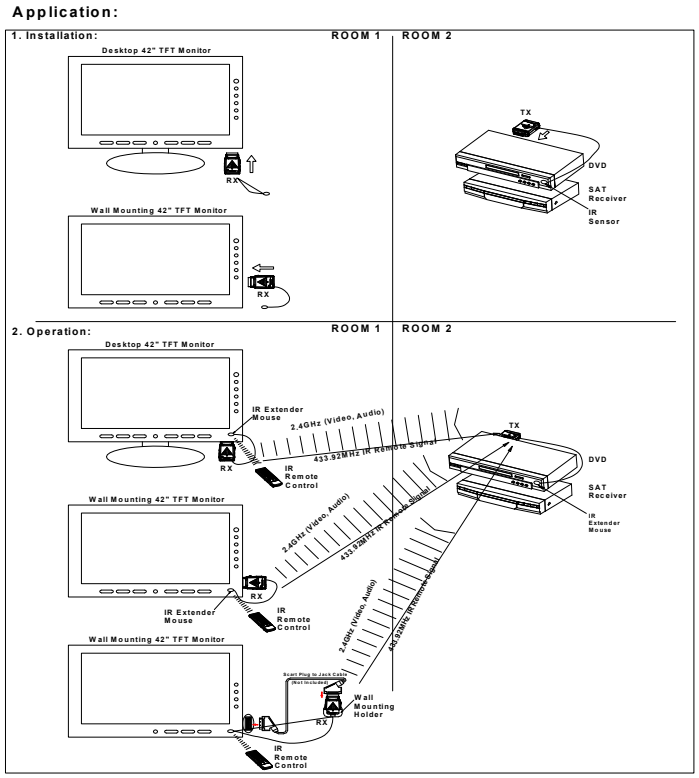
FRONT VIEW RECEIVER



REAR VIEW RECEIVER

Output SCART port
Plug into the A/V input port of
TV, MONITOR, etc.

D. Installation overview:

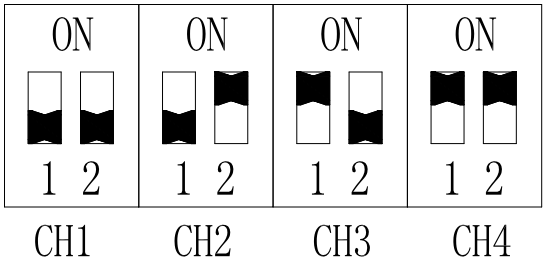


Video Sources:
DVD
VCR
SAT Receiver
Laser Disc Player
Camcorder

Audio Sources:
Compact Disk Player
Stereo Receiver
Cassette Deck

Installation of the 2.4GHz transmitter and receiver:

1. Plug the transmitter into the SCART output port of VCR, DVD or SAT.
2. Plug the receiver into the SCART input of the LCD screen, PLASMA screen or television.
3. Put the plug of the power adapter into the transmitter and the receiver and the power plug into the 230-volt wall outlet. **Note: use only the provided adapters.**
4. Select the desired channel with a combination of the switches (see below figure) If a channel gives some distortion in picture and sound try another combination of the switches.



E. Using the remote control feature:

The 2.4GHz system not only allows you to send audio/video from one area to another, it also gives you the ability to control the source using your existing remote control device. It converts the infrared (IR) signal emitted by your remote control to a radio frequency (RF) signal in UHF band at the receiver and sends it back to the transmitter where the RF signal is converted back to the original IR signal and beamed to the audio/video source.

Use the IR cable and connect the 2.5mm plug to the input jack on the back of the transmitter (IR-T). Place the IR sensor on the front of the display from the equipment that need to be controled. It's important to place the IR sensor as close as possible to the IR sensor, which is behind the display, of the equipment. If this function is not working correctly, check this accurate. (see figure next page)

Use the IR cable and connect the 3.5mm plug to the input jack on the back of the receiver (IR-R). Place the IR sensor in front of the equipment. For receiving the infrared signals of the remote control it's important the sensor is placed in sight.

F. Troubleshooting, Care and maintenance:

Problem	Possible solutions
No picture or sound	•Check all connections. •Make sure power plugs are pushed all the way in. •Check the power switches of the connected equipment •Check the power on/off switches on the transmitter and receiver.
Interference: Noisy picture or audio	•Select a different channel by pushing the channel selector button on both transmitter and receiver so that the channels match. •If using a microwave oven, turn it off. •Remove microwave oven from path between transmitter and receiver.
Remote control extender does not work	•Check the path between the transmitter and the audio/video source and clear any obstructions. •Check if the batteries from the remote control are full. •Make sure IR extender is properly located on the A/V equipment you wish to control.

G. Specifications:

Transmitter:

Operating Frequency Band	2.400GHz~2.4835GHz
Maximum Output Level	10dBm (CE)
Modulation	FM (video and audio)
Channels (4)	PLL frequency synthesizer
Video Input Level	1V p-p @ 75 ohm
Audio Input Level	1V p-p @ 600 ohm (STEREO)
Input Port	SCART socket
Antenna	Hidden omni-directional
IR–remote IR output	940nm with ON/OFF keying
Power	7.5VDC,150mA
Dimensions	100mm×60mm×22mm
Weight	100gr.

Receiver:

Operating Frequency Band	2.400GHz~2.4835GHz
Sensitivity	-80dBm minimum
Channels (4)	PLL frequency synthesizer
Video Output Level	1V p-p @ 75 ohm
Audio Output Level	1V p-p@ 600 ohm (STEREO)
Output Port	SCART socket
Antenna	Hidden omni-directional
Transmit Frequency	433.92 MHz
IR remote modulation	ASK
Infrared Freqeuncy Input	35 KHz~41 KHz
Power	7.5 VDC, 230mA
Dimensions	100mm×60mm×22mm
Weight	110gr.

System:

Operational range	up to 80 meter (line of sight)
Remote control range	up to 50 meter (line of sight)
Operating temperature	10°C ~ 50°C (14 F ~ 122 F)

*Actual range depends on environment circumstances.
All specifications subject to change without prior notice

DECLARATION OF CONFIRMITY

We,

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Declare under our responsibility that the product;

Brandname: König
Model: **VID-TRANS150KN**
Description: **2.4GHz wireless transmission system**
Is in confirmity with the following standards;

Radio: EN 300-220-3 (2000-09); EN 300 440 (1999-04)
EMC: EN 301 489 (2002-08)
LVD: EN 60065: 1998

Following the provisions of the 1999/5/EC R&TTE Directive.
Conform this regulation it's allowed to use this product in
all European Community & EFTA countries.

Nedis BV is not responsible for the use of this product outside
the European Community & EFTA countries.

's-Hertogenbosch, 16-08-2005

Mrs. J. Gilad
Purchase Director