



MULTILINK LT
ENGLISH

USER'S MANUAL

Chapter 1. Installation.

1.1. Safety Rules

Please read the safety rules carefully before installing this equipment.

- 1.- Respect ventilation slots of this equipment. Avoid covering them with any object.
- 2.- Keep clean and without obstacles a minimum radius of 40 cm around this equipment.
- 3.- Do not place any heating source near this equipment.
- 4.- Do not install this equipment outside its temperature range.
- 5.- Avoid placements where liquids could be poured in or with important temperature changes.
- 6.- Never open the device by yourself. Refer servicing to qualified staff only.
- 7.- Never open the device when it is connected to electrical current.
- 8.- During connection it is suitable that the equipment is switched off and not connected to electrical current.
- 9.- Respect electrical security rules during the assembly. Use materials that fulfill laws in force.
- 10.- Connecting pin (power plug) must be quickly and simply accessible in order to assure a fast disconnection.
- 11.- To prevent shock hazard, do not touch the power plug with wet hands. Always unplug the receiver before working on the connections.
- 12.- Do not put any heavy objects over this equipment; the equipment could be damaged.

1.2. Complete content

- 2 RCA - SCART cables: one for the emitter and the other for the receiver indicated as SENDER and RECEIVER respectively.

It's very important to be careful because if cables are confused the system will not function correctly.



- 2 power adapters. Supply necessary power for correct function of the equipment. Use only supplied adapters.



- 1 Emitter (TRANSMITTER) and 1 receiver (RECEIVER).



- 1 External infrared emitter.



- Instructions manual.



1.3. Description and connections

This equipment let you enjoy your audio and video sets in different rooms than real situation. With high quality of transmitted signals (FM modulation) and stereo sound you'll get high quality signals where you place the receiver. Is possible to buy only the receiver (with UHF modulator or without) to have one emitter with several receivers (in this case the signals of remote control will come from only one receiver).

Front view

Power LED and channel display.

IR remote control window



Transmitter connections

Connection of infrared remote emitter (LED)

LEFT AUDIO (white)

RIGHT AUDIO (red)

VIDEO (yellow)

Connection of power adapter (9VDC). Use only the provided one.

Switch on

Transmission channel selector.



Receiver Connections

LEFT AUDIO (white)

RIGHT AUDIO (red)

VIDEO (yellow)

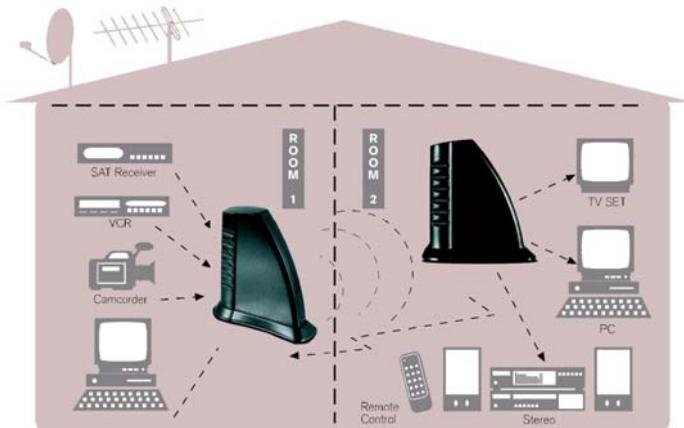
Connection of power adapter (9VDC). Use only the provided one.

Switch on

Transmission channel selector



1.4. Accessories and installation examples



Chapter 2. Configuration

FUNCTIONING MODE

This system let transmit audio and video signals of any domestic device (VCR / DVD / CAMERA / LASER DISC / etc.) without cables neither complicated installations.

Follow next steps to make a correct installation of the MULTILINK LT:

- 1.- Once unpacked, check that you got all parts mentioned at the beginning of this manual.
- 2.- Identify the emitter (in the rear part says TRANSMITTER) and its cable RCA-SCART (also named SENDER).
- 3.- Identify the receiver (RECEIVER) and its cable RCA-SCART (RECEIVER).
- 4.- Once you have selected the equipment you want to watch in another room, make the connections with the emitter (TRANSMITTER). To make these connections use the supplied cable (SCART-RCA).

Connectors RCA have a code of standard colours to avoid confusions.

In case that your equipment has no SCART, should buy the cable that belongs to output connectors in one extreme (RCA, BNC, etc.) and male RCAs in the other, in this case make sure to do these connections:

VIDEO - VIDEO
 RIGHT AUDIO - LEFT AUDIO
 LEFT AUDIO - LEFT AUDIO

Correctly in order to avoid errors in transmission.

- 5.- Once all signal cables are connected, connect the supplied power adapter in the suitable plug of the emitter and plug it to the mains.
- 6.- Switch on the emitter with switch ON/OFF and select a transmission channel (from 1 to 4) with selection button located in the lower part of the transmitter, the LED of belonging channel lights.
- 7.- Then install the receiver in the room where you wish to receive the signal.
- 8.- Do the connections of the RECEIVER with supplied cable in case that the device where it's going to be connected has an SCART input. In the opposite case, you should buy the suitable cable and make the connections as explained in the case of the emitter.
- 9.- Once all signal cables are connected, connect the power adapter to the suitable plug of the emitter and plug it into the mains.
- 10.- Switch ON the emitter and select the same transmission channel (from 1 to 4) that you chose in the emitter with selection button located in the upper part of the transmitter, then LED of belonging channel lights.
- 11.- Sender broadcast their high-quality audio and video using hidden omnidirectional antennas, only need to put the transmitter and receiver vertically.
- 12.- Select in your equipment the suitable input channel (AV, EXT1, etc.)
- 13.- The link is going on, you should watch and hear what is being transmitted from the emitter, if not, look at the anomalies section.
- 14.- This sender 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 radiofrequency (RF) signal 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. Sometimes, it may be difficult to orient the transmitter unit "face-to-face" by the A/V equipment you wish to control. So, in this case, to use in extender IR cable will be more convenient. Put the IR header near opposite to AV source IR receiver. Connect the other extreme to IR connector on the transmitter unit.

ANOMALIES AND SOLUTIONS

Before to contact the technical service verify that in the following board there is no the solution to your possible problem or failure in the functioning:

Anomaly	Possible cause	Solution
There is no video neither audio in the reception	<p>Lack of signal at the output of the equipment which you wish to transmit.</p> <p>Input channel in receiving equipment (TV) is not selected right.</p> <p>RCA and SCART are exchanged.</p> <p>Don't use same channel.</p>	<p>Check that it's ON and correctly programmed.</p> <p>Select in the receiving equipment the channel that belongs to used SCART input.</p> <p>Check the correct selection of cables on each device.</p> <p>Check that both (emitter and receiver) work on the same channel.</p>
Image and sound quality is not good	<p>Bad quality in emission.</p> <p>Bad orientation of emitter and receiver</p> <p>There are interferences</p> <p>Wrong chosen channel.</p>	<p>Check that supplied signal quality to the emitter is right.</p> <p>Adjust antennas orientation in a different way. Minimize the number of obstacles between the transmitter and receiver units.</p> <p>Remove microwave oven from path between transmitter and receiver.</p> <p>Try with another channel.</p>
Remote control doesn't work	<p>Equipments are not in vertical position.</p> <p>There is no direct vision between remote control and receiver's window of MULTILINK LT located in the front part.</p> <p>There is no direct vision between the emitter (or its infrared remote emitter) and the equipment to control.</p>	<p>Put the equipments in vertical position, their efficiency is better.</p> <p>Locate the receiver in a visible position and point the remote control to the red window of front part of the receiver.</p> <p>Locate the emitter in front of the equipment you want to control or at least the remote emitter to have direct vision.</p>

Chapter 3. Technical features

TRANSMITTER:

Operating Frequency Band	2.4000 - 2.4835 GHz
Transmitted signal level	10 dBm(CE), 0dBm(FCC)
Signal modulation	FM
Video Input Level	1 Vpp 75 Ohms
Audio Input Level	1 Vpp 600 Ohms (STEREO)
Input Port	RCA female
Antenna	Hidden Omni-directional
Infrared output	940 nm
Consumption	9 VDC / 400 mA
Sizes	105 x 52 x 110 mm
Weight	130 gr

RECEIVER:

Operating Frequency Band	2.4000 - 2.4835 GHz
Sensitivity	-80dBm
Video Output Level	1 Vpp 75 Ohms
Audio Output Level	1 Vpp 600 Ohms (STEREO)
Output Port	RCA female
Antenna	Hidden Omni-directional
IR-remote Modulation	ASK
IR-remote Transmit Frequency	433.92 MHz
Infrared Frequency Input	32 ~ 38 KHz
Consumption	9 VDC / 400 mA
Sizes	105 x 52 x 110 mm
Weight	140 gr

SYSTEM:

Audio/video transmission	100 m direct vision
Remote control signal transmission	50 m direct vision
Operating Temperature	+10 ~ +50 °C

Chapter 4. Conformity declaration



CONFORMITY DECLARATION

"WE, FTE MAXIMAL, DECLARE THAT THE PRODUCTS
MULTILINK LT
ARE IN CONFORMITY WITH FOLLOWING DIRECTIVES
Low Voltage Directive 2006/95/EC
EMC Directive 2004/108/EC"

If you wish a copy of the conformity declaration, please contact to the company