

# IR-GATEWAY



## IR to IP Gateway Technology for commercial, control and monitoring and home automation applications

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- Network enabling of Infrared Remote Controls
- Network enabling of Infrared controlled devices
- Supports all common IR frequencies and codes (SONY S-Link™/Control A1 II applications)
- Transmits AND receives all codes
- Easy interfacing to home control software (UDP, TCP, cgi, web based ethernet interface)
- Integrated in several Barix products

# IR-GATEWAY

## Technical Specifications

### IR Formats

SONY IR modulation  
 RC 5 IR modulation  
 NEC IR modulation  
 RAW IR modulation  
 37.5 kHz and base band de- & modulation

### IR connectors on Barix products

Serial Dongle with DSub 9pin female\*  
 3.5 mm Jack input for IR receiver\*  
 3.5 mm Jack output for IR transmitter\*

\* not in all products included see product table on right hand side

### Network Interface on Barix products

RJ45 10/100 Mbit Ethernet (Auto),

### Protocols supported by Barix products

TCP/IP, UDP, ICMP, DHCP,  
 AutoIP, SonicIP®, IPzator™, SMB/CIFS

### User Interface on Barix products

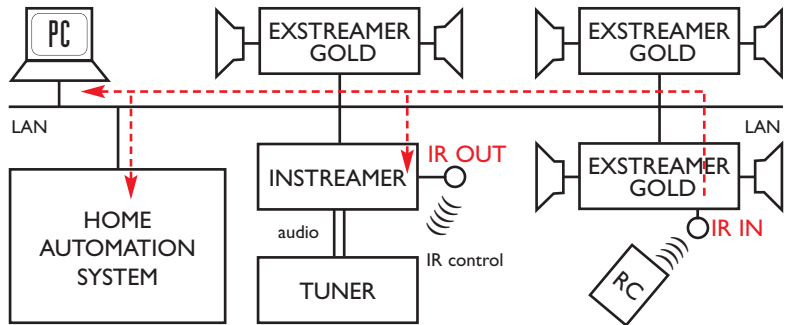
integrated web server for control and configuration  
 serial port or ethernet control API for home automation systems

### Code conversion:

text file based conversion table  
 (upload via web or tftp) for local and / or remote function execution

Barix embeddable IR-Gateway technology permits end-users, consumer electronics manufacturers, and custom installers to web-enable almost any IR remote controlled product, as well as many devices that allow control via serial control interfaces.

- Supports all common IR frequencies and codes as well as baseband (demodulated) transmission and reception (mainly for embedded or SONY S-Link™/Control A I II applications)
- Transmits AND receives all codes
- easy interfacing to home control software (UDP,TCP, cgi, web based ethernet interface)
- due to unique software technology the driver can be used on various hardware platforms
- standalone, embedded or specific solutions possible



IR commands can be received and sent to the local network for home automation and control purposes. In addition, the IR Ethernet Gateway also offers IR output capability, allowing transmission of IR commands to IR controllable devices. Standalone controller, management and control via web browser or the internet.

IR-Gateway technology is implemented in the following Barix products:

Product	Main function	RC & Serial dongle	IR IN on 3.5 mm Jack	IR OUT on 3.5 mm Jack	Gateway Function
Exstreamer & Wireless	Audio Decoder	included	no	no	IR to IP
Exstreamer Digital	Audio Decoder	included	yes	yes	IR to IP IP to IR
Exstreamer Gold	Ampl. Audio Decoder	included	yes	yes	IR to IP IP to IR
Instreamer	Audio Encoder	not applicable	no	yes	IP to IR

For OEM inquiries contact us by email to [sales@barix.com](mailto:sales@barix.com)  
 For further information visit [www.barix.com](http://www.barix.com)