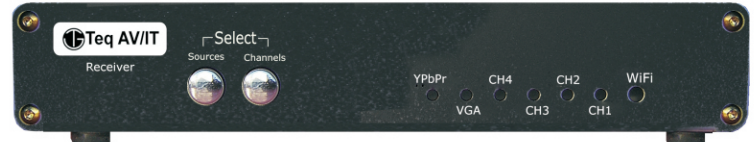


## WiC102 - Wireless Transmitter – Receiver with Scaler for Multimedia connections

Teq AV/IT's WiC102 is single equipment for wireless transmission and receiving of multiple audio and video sources including computer VGA-WXGA to any HD or high-resolution projector, monitor or LCD – Plasma displays without any wires using 802 n/b/g. It is single piece o equipment required for connecting multimedia signals and scaling them to match resolution of displays. WiC102 is true Plug-N-Play device capable of cutting need of any wires for audio video presentation in single room installations in classrooms, conference – meeting – training room and for connectivity from table top or podium to AV IT equipment in rack or cabinet. It allows connectivity of commonly used sources for presentation or digital signage applications like laptops, notebook computers, PCs, workstations, servers, Mac book, DVD Player, Satellite receivers, TV tuners, Cameras, Visualizes and many more to a VGA-WXGA projectors and monitors or SD/HD LCD/plasma displays. It is more affordable, flexible and reliable solution than running cables through wall, floors or ceilings. WiC102 is also known as Wireless media sender or Wireless Scaler or Wireless Multimedia center or Wireless Table top connectivity.



### Feature

- Easily integrates into any AV or IT projects for point-to-point wireless HD or High-res.Video+ Audio Transmission
- Ideal for offices, training or conference or meeting rooms, classrooms and digital signage applications
- Enables wireless transmission of computer video (VGA-SXGA), SD Composite or S-Video or HD Component video (0/Pb/Pr)
- Coexists with other 802.11n/b/g 2.4GHz wireless devices like routers, access point and phones
- 4 source inputs scaled into 2 different format outputs
- HD (720p) or SD (480p) or High-resolution VGA output – XGA (1024x768) WXGA (1280x768)
- 16:9 format output for LCD or Plasmas and 4:3 format for projectors or monitors
- Guaranteed bandwidth with full QOS based service
- Real-time, visually lossless HD compression
- Error resilient with 4 Wi-Fi channels selection and self-correcting algorithm with dynamic bit rate adjustment and control of channel bandwidth consumption
- Indirect (through wall) or LOS (Line of sight) distance transmission 50-ft (16 meter) to 35-ft (10m) is ideal for single room applications

### Application



## Video Transmitter (WiC102-T)

Video Inputs	1. CVBS 2. S-Video 3. Y/Pb/Pr 4. VGA
Input format	CVBS : 480i , 576i S-Video : 480i , 576i Y/Pb/Pr : 480i/p , 576i/p , 720p (50/60Hz) , 1080i/p (50/60Hz). Computer : VGA (640X480) , SVGA(800X600) , XGA(1024X768) , WXGA(1280X768) , SXGA (1280X1024)
Transfer Frame Rate	CVBS : 60/50 fps S-Video : 60/50 fps Y/Pb/Pr : 60 /50 /30 /25 fps Computer : 30 / 25/ 20 fps
Audio Input	Stereo with Earphone Jack
PCM Encode	48KHz 16-bit sampling
Physical Specifications	7.8" W X 5.6" D x 1.2" H
Adapter Power	DC 12V*1A
LED Indicator	WLAN status / 4 Wi-Fi Channels / 4 Video Sources Input

## WiC102-R Features

Video Outputs	1. Y/Pb/Pr 2. VGA
Output Format & Frequency	1. Y/Pb/Pr :480p (60Hz) 576p (50Hz) 720p (60Hz) 2. VGA : 640x480 (60Hz) 800X600 (60Hz) 1024X768 (60Hz) 1280X768 (60Hz) 1280X1024 (60Hz) <b>Notice: Frame rates also depended on the WiFi bandwidth</b>
Audio Input	Stereo with Earphone Jack
PCM Encode	48KHz 16-bit sampling
Physical Specifications	7.8" W X 5.6" D x 1.2" H
Adapter Power	DC 12V*1A
LED Indicator	WLAN status / 4 Wi-Fi Channels / 2 Video Sources Output

## Common Specifications

Wireless Standard	IEEE 802.11n/b/g Standard
Antenna Type	External Dipole antenna 2dBi
Number of Selectable Channels	USA, Canada (FCC): 11 channels (2.412GHz~2.462GHz) Europe (CE): 13 channels (2.412GHz~2.472GHz) Japan (TELEC): 13 channels (2.412GHz~2.472GHz)
Data Rate	802.11n(up to 300Mbps) 802.11b(11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps) 802.11g(54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18Mbps, 12 Mbps, 9Mbps, 6 Mbps)
Output Power	802.11n : 14 +/- 1.5dBm @ normal temp 802.11b : 17 +/- 1.5dBm @ normal temp 802.11g : 14 +/- 1.5dBm @ normal temp
Receiver Sensitivity	300Mbps @ -71dBm 11Mbps @ -86dBm 54Mbps @ -75dBm Typical
Environment Specifications (Total System)	Operating Temperature: 0~40 ambient temperature °C Operating humidity: 90% maximum (non-condensing)



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