

Product Data Sheet

Wireless Presentation System

Overview

Black Box offers two wireless presentation products that enable you to use your wired projector as a high-end wireless projector.

Choose from the Wireless HDMI Presentation System (WHPS) or the Micro Wireless VGA Presentation Tool. Both models support VGA, while the Wireless HDMI Presentation System (AVX-HDMI-WI) also supports HDMI plus audio. The WHPS and the Micro Wireless VGA Presentation Tool (AVX-VGA-WI) conform to the 802.11 b/g/n wireless standard. The micro version provides everything you need for compact, on-the-go wireless projection. The WHPS also works as an access point, provides session security login, wireless WEP/WPA key, and Gatekeeper functions to protect presentation contents and maintain security in your office networks.

Basic Features

- Supports Windows® 8/7/XP/2000, and Windows Vista®.
- Supports Macintosh® (Mac®) versions 10.5 and above.
- Supports Apple® iPad®/iPhone® and Android® devices.*
- * With third-party software WiFi-Doc.
- Plug and show. No installation required—just plug in the included token to a USB port and start your presentation in seconds.

AVX-HDMI-WI also:

- Includes conference control. Allows moderators to streamline meetings.
- Supports high-performance screen projection with audio.
- Enables device management easily using SNMP manager.
- Supports AP Client mode, so you can deploy wireless networks in enterprise environments.
- Allows you to present Office files from your device using WiFi-Doc.



Wireless HDMI Presentation System
(AVX-HDMI-WI)



Micro Wireless VGA Presentation Tool
(AVX-VGA-WI)

To compare wireless presentation devices, see the chart on the next page...

Wireless Presentation System/Tool Specification Sheet

Comparison Chart: Wireless Presentation

	AVX-HDMI-WI	AVX-VGA-WI
Video Output	VGA + HDMI	VGA
Audio Output	Analog and HDMI (Win Only)	No
Maximum Resolution	1280x800 720p	1280x800
Computer OS	Win/Mac	Win/Mac
Access Point Support	Yes	No
Black Box Branded	Yes	Yes
4-to-1 Projection	Yes	Yes
1-to-Many Projection	No	No
Full Screen Video	Better performance than other models	No
DHCP Server Options	Yes	Yes
Gatekeeper Options	Yes	No
Set Background	Yes	Yes
Wireless Standard	802.11b/g/n	802.11b/g/n

Wireless Presentation System/Tool Specification Sheet

AVX-HDMI-WI Technical Specifications

Antenna	2 Dipole
Approvals	CE: Yes; RoHS: Yes
Certificate	FCC, CE, NCC
Data Rate	Wireless: Up to 300 Mbps; LAN: 10 to 100 Mbps
Environmental Conditions	Operating temperature: 32 to 104° F (0 to 40° C); Storage temperature: 14 to 140° F (-10 to +60°C); Operating humidity: ≤ 90%; Storage humidity: ≤ 80%
Management	Web-based configuration, SNMP
Operating Systems	Windows XP/Vista/7/8; Mac OS 10.5 and above
Protocol	TCP/IP
Receive Sensitivity	802.11b: 11M-76 dBm; 802.11g: 54M-67 dBm; 802.11n: 65M HT2064 dBm, 150M HT40-61 dBm
Resolutions	Output: VGA: SVGA (800 x 600), XGA (1024 x 768), WXGA (1280 x 800), WXGA+ (1440 x 900); HDMI: 720 p (1280 x 720); PC/Laptop: SVGA (800 x 600), XGA (1024 x 768), SXGA (1280 x 1024); WXGA (1280 x 768) WSXGA (1440 x 900, 1600 x 1024); UXGA (1600 x 1200); WUXGA (1920 x 1200); QXGA (2048 x 1536)
Standards	IEEE 802.11b/g/n (2.4 GHz), 802.3/3u (10BASE-T/100BASE-TX)
Transmission Power	2 dBi
Wireless Security	IEEE standard 64, 128-bit WEP, WPA, WPA2-PSK
Wireless Frequency	2.4 GHz
Wireless Range (Maximum)	300 ft. (91.4 m) under optimum conditions
Connectors	Network: (1) RJ-45 (10BASE-T/100BASE-TX); Video: (1) HDMI F, (1) VGA F; Audio: (1) 3.5-mm jack (stereo); Antennas: (2) detachable 2-dBi external dipole on (2) SMA
Power	External adapter: 5 VDC; Input: 2.5 amps; Output: 5 VDC, 2.5 amps
Dimensions	1.2"H x 6.3"W x 2.4"D (3 x 16 x 6 cm)
Weight	0.7 lb. (0.3 kg)

Dimensional diagram of the AVX-HDMI-WI.



Wireless Presentation System/Tool Specification Sheet

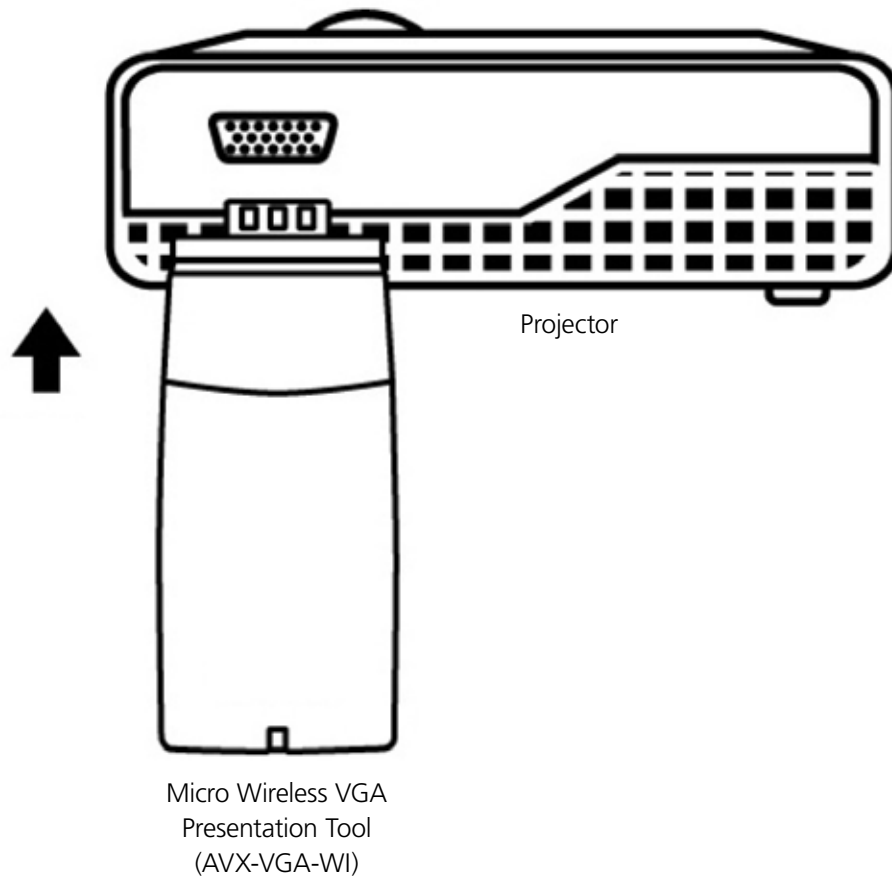
AVX-VGA-WI Technical Specifications

Approvals	FCC, UL® E199780
IP Configuration	Automatic or manual (static)
LAN Type	AP mode
LAN Protocol	TCP/IP
Network Connection	Uses IEEE 802.11b/g/n 2.4 GHz, IEEE 802.3 (10BASE-T), IEEE 802.3u (100BASE-TX)
OS Compatibility	Windows® 2000/XP/7/8, Windows Vista®, Windows Mobile 5 and later, Mac® OS X 10.5 or later
Screen Resolutions	800 X 600, 1024 X 768, 1280 X 768 and 1280 x 900
Wireless Channels	11
Wireless Encryption	IEEE standard 64/128 bit WEP/WPA/WPA2-PSK
Wireless Frequency	2.4 GHz
Wireless Range	Up to 328 ft. (100 m)
Wireless Speed	11 Mbps, 54 Mbps, 300 Mbps
User Controls	(1) Reset button
Connectors	(1) HD15 VGA, (1) power connector
Power	Source: Interface PoVGA (Power over VGA); Input Voltage: 100–240 V, 0.3 A, 50/60 Hz; Secondary Power: 5 VDC, 1.2 A
Dimensions	3.75"H x 1.53"W x 0.88"D (9.52 x 3.89 x 2.24 cm)
Weight	0.12 lb. (0.05 kg)

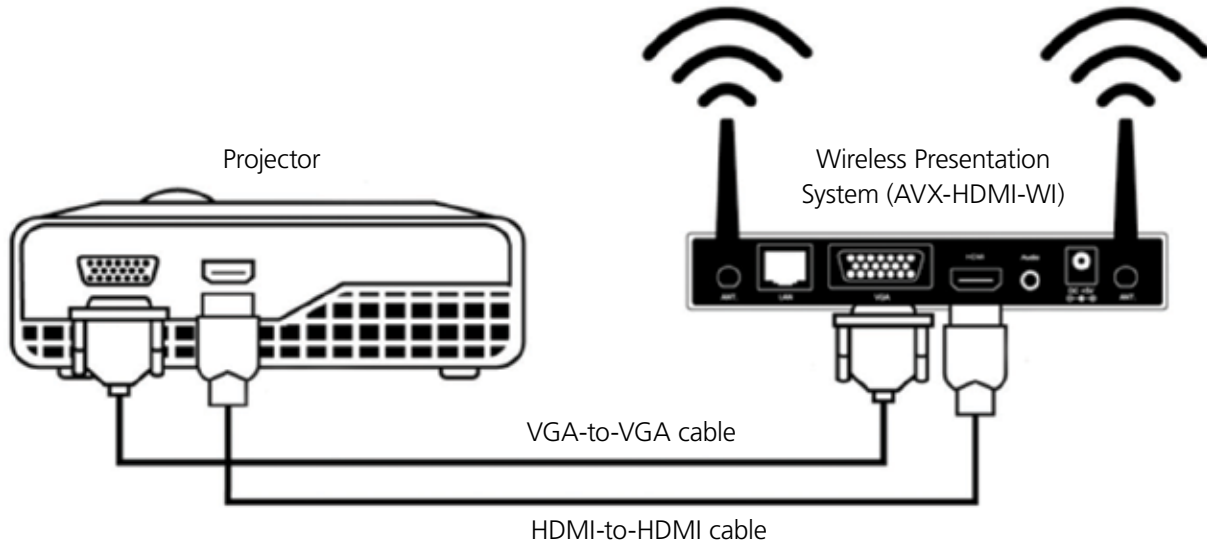
Dimensional diagram of the AVX-VGA-WI.



A typical application of the AVX-VGA-WI is shown below.



A typical application of the AVX-HDMI-WI is shown below.



NOTE: Only one cable can be connected at a time, either the VGA-to-VGA cable or the HDMI-to-HDMI cable.

Ordering Information

Wireless HDMI Presentation System (WHPS)

[AVX-HDMI-WI](#)

Micro Wireless VGA Presentation Tool

[AVX-VGA-WI](#)

Disclaimer:

Black Box Network Services shall not be liable for damages of any kind, including, but not limited to, punitive, consequential or cost of cover damages, resulting from any errors in the product information or specifications set forth in this document and Black Box Network Services may revise this document at any time without notice.

About Black Box:

Black Box is a leading technology product solutions provider that helps customers build, manage, optimize, and secure their networks. The Black Box quality management system is ISO 9001:2008 certified, and the company has received numerous industry recognitions. Black Box provides its customers with free, 24/7 pre- and post-sales technical support. The Black Box catalog and Web site offer an extensive range of infrastructure products including Cabling, Cabinets & Racks, Data Center Cooling Solutions, Power & Surge Protection, and Environmental Monitoring.

© Copyright 2014. Black Box Corporation. All rights reserved. Black Box® and the Double Diamond logo are registered trademarks of BB Technologies, Inc. Apple, iPad, iPhone, Macintosh, and Mac are registered trademarks of Apple, Inc. Android is a registered trademark of Google, Inc. Windows and Windows Vista are registered trademarks of Microsoft Corporation. Any third-party trademarks appearing in this publication are acknowledged to be the property of their respective owners.