

Actiontec ScreenBeam Firmware 9.9.28.0 Release Notes

- Release Date: 2016-09-15
- F/W Version: 9.9.28.0
- Applicable SKU: #SBWD950ENT

Notes:

- Features are supported by CMS version 2.5.1.0 (or higher)
- User manual is available on <https://actiontec.zendesk.com/>

CHANGES FROM 2.9.22.0

- Added interactive touch display support for following USB HID devices:
 - AOC touchscreen display (Model #E2472PWUT)
 - Epson interactive projector (Model #595Wi & #585Wi)
 - Maijie interactive whiteboard (Model #IWM-301)
- Fixed system network DHCP IP lease sometimes not able renew.
- Ability to specify Japanese characters for Device Name.
- Added options to Wake on Scan/Connect when Display is Off/Screensaver.
- Fixed performance issue with Windows Miracast after Anniversary Update (8/26/2016).
- Improved AV performance with some Windows 10 Phones.
- Modified Web Server to use https.
- Fixed “sometimes Rx cannot connect to AP via CMS adapter, when password field include special characters (e.g. ~)”.
- Improved VLSM support for Private IP Classes.

Important Notes for customer with ScreenBeam Central Management System (CMS):

- Encrypted communication is only supported by CMS 2.5 (and higher)
- CMS 1.x is not able to discover and communicate with firmware 2.9.22.0 (and higher)
- We recommend to update to CMS 2.5 prior updating the ScreenBeam Receiver firmware
- You can obtain the latest version of CMS software from [CMS Customer Portal](#) or contact your sale rep

SUPPORTED LANGUAGES

GUI: English (Default), Traditional/Simplified Chinese, Japanese, French, Deutsch, Dutch, Korean, Spanish, Italian, and Russian

SUPPORTED DEVICES

- Windows 10 and 8.1 devices with native Wi-Fi Miracast wireless display¹
- Android 4.2 (or higher) devices with native Wi-Fi Miracast wireless display¹
- Windows 7/8/10 systems without native Wi-Fi Miracast wireless display¹
(Check out the [ScreenBeam USB Transmitter](#) solution)

Learn how to connect at: <http://www.actiontec.com/setupsb>

¹ PC must meet minimum system requirements

² A/V quality depends on number of factors including source device, content, and wireless environment. Based on HDMI output

³ Requires Windows 10 with 4th Gen Intel Core (Haswell or better) processor

PERFORMANCE

- Up to 1080p30 resolution and 5.1 channels audio for Wi-Fi Miracast devices²
- Up to 720p resolution and 2.0 channels audio for systems with ScreenBeam USB Transmitter²

SUPPORTED FEATURES

- Wi-Fi Miracast standard enterprise-grade wireless display receiver
- Works with most HDMI/VGA Projectors and TV displays
- Supports analog audio out for VGA output
- Industry-standard wireless and network security for network connectivity
- Configurable secured and hidden PIN enforcement for presenter connection only
- HDMI/VGA output power management
- Remote Management for IT – Download ScreenBeam Central Management System (CMS)
<http://cms.screenbeam.com>
- Adjustable P2P wireless RF transmission power
- Works with interactive projectors, display panels, and whiteboard with USB HID³. Tested with the following:
 - Actiontec ScreenBeam Touch90 interactive whiteboard
 - AOC touchscreen display (Model #E2472PWUT)
 - Epson interactive projector (Model #595Wi & #585WI)
 - Maijie interactive whiteboard (Model #IWM-301)

IT MANAGEABILITY

- (Default) Local Management via local web GUI
- (Optional) Remote Management via Actiontec's Central Management System (CMS). For more information, visit: <http://www.actiontec.com/sbcms/>

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LIMITATIONS & KNOWN ISSUES

LIMITATIONS

- Receiver's Device Name can only support English and Japanese characters.
- For interactive projector pen/finger touch, the calibration accuracy might be slightly off. This is likely due to client device is not projecting at 1920x1080 resolution.
 - If client device supports 1920x1080 resolution, select the resolution from Windows' Display Settings > Advanced Display Settings > 1920 x 1080
 - If client device does not support 1920x1080, then perform one-time manual calibration on the projector's setting
- For interactive whiteboard, the calibration accuracy might be slightly off. A one-time calibration is required by performing the following steps:
 - Directly plug the interactive whiteboard USB A/B cable to the Windows system first, and perform the calibration
 - Unplug the USB A/B cable from the Windows system, and plug it to the ScreenBeam receiver's USB port
 - Use wireless display and connect system to ScreenBeam receiver
- VGA pass-through (input) port is designed to support legacy laptops with VGA output, and intended to bypass the VGA output via ScreenBeam receiver to the projector/display. It does not convert VGA signal to the HDMI output for HDTV.

KNOWN ISSUES

- **Wireless environment with Aerohive IDS (HiveOS 6.x) or similar IDS safeguard tool may prevent client device connecting to ScreenBeam receiver.**
Symptom: Client device wireless display cannot connect to ScreenBeam receiver as it's being recognized as a 3rd party wireless SSID. The client and receiver could initiate the session, but would not be able to proceed due to being de-authorized.
Resolution: Include ScreenBeam receiver's MAC address or MAC range to the IDS whitelist. ScreenBeam receiver's MAC should be 12:9F:A9:X:X:X for NGO P2P mode, and 10:9F:A9:X:X:X for AGO P2P mode.

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