



Firmware Revision Information

Product Code(s): EMD5004-R

Product Name(s): Emerald DEKVUE

Version: EMD5004-R 1.2.0_r208

Date Modified: 19th April 2024.

This Document outlines:

1. Updates and Fixes on the Release
2. Emerald System Firmware Version and Compatibility
3. Firmware Installation
4. Appliances supported
5. Additional Notes

For further information, please review the [Black Box website – www.Blackbox.com](http://www.Blackbox.com)

Updates and Fixes on this Release

EMD5004-R 1.2.0 r208 (from EMD5004-R 1.1.0) has the following new features

1. Added AVWall capabilities:
 - H264/H265 IP stream connection type
 - 2x2 Matrix and video-wall
2. Added the ability to save “custom” workspaces and synchronize these workspaces with Boxilla.
3. Added the following tile properties: Orientation, Aspect-Ration, Always-on-top, Lock-to Position, Tile-Bar On/Off
4. Added additional templates, including 16 tiles, multiscreen and screen spanning templates.
5. Added support for Extended Desktop/Dual-Head connections
6. Added support for multi-head target connections using Mouse Sectors.
7. Added a WYSIWYG style Display configuration utility on the OSD.
8. Added the ability to select and replace a connection target from an existing active tile using an integrated menu.
9. Updated keyboard LED synchronization – keyboard LEDs display the status of the LEDs from the active connection in the tile.
10. Updated hot-keys to support normal Emerald system – CTRL-CTRL, SHIFT-SHIFT, PRNTSCRN and ALT-ALT.



11. Added Deskvue Rest API to allow remote “control” – e.g. from ControlBridge.
12. Added Auto Login support.
13. Added Active Directory support.
14. Added the ability to set Transmitter settings from DeskVue (for unmanaged operation)
15. Added the ability to for Boxilla to retrieve Deskvue diagnostics.
16. Added the option to operate in relative mouse mode with a hot key used to exit the client window.

Bugs Fixed included in EMD5004-R 1.2.0:

1. Improvements have been made to mouse latency
2. Fixed Inactivity Timer for OSD.
3. Local mouse acceleration is now disabled by default.

Notes on this Release: - Known issues for 1.2.0

- 1) LACP was **not** included in this release – only one network port is operational
- 2) Mouse sectors only support vertical, horizontal and Matrix configurations. 'L' shaped configurations are not supported
- 3) In current release, H264 connections are computationally intensive and it is recommended this be confined to HD monitors.

Emerald System Firmware Version and Compatibility for Version

This firmware has been validated with the below **released** versions of and Emerald appliance firmware.

- EMD-6.8.0
- EMD-6.7.1
- EMD-6.7.0
- Boxilla 4.9 (required for managed systems)

All versions of appliances should be upgraded to the latest version available on our website to ensure support for latest features. [Boxilla Manual](#) has the appropriate upgrade instructions.

Firmware Upgrade

EMD5004-R units running prior to V1.1.0 firmware need to be upgraded using a flash-drive inserted into the EMD5004-R



unit. Boxilla cannot upgrade an EMD5004-R on previous versions of firmware (prior to v1.1.0).

Recommended upgrade sequence:

1. Copy the 1.1.0 firmware to a flash-drive and insert into EMD5004-R unit to be upgraded
2. Log on EMD5004-R unit to be upgraded as an Admin user
3. Go to the system page and click on “upgrade” button
4. Follow the upgrade wizard instructions.
5. The upgrade will begin, and the Receiver will reboot once completed.
6. Once completed, log in and select the System page to review the software version.

Notes

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Previous Release Notes:

EMD5004-R 1.1.0 r94 (from EMD5004-R 1.0.2) has the following new features

1. EMD5004-R can be managed by Boxilla (version 4.7 and above)

Bugs Fixed included in EMD5004-R 1.1.0:

1. Resolved issues with DHCP and Static-IP settings after system restore.
2. Resolved issue where RDP sessions terminated unexpectedly occasionally.
3. BUG-5973 OSD: At the login screen pressing the tab key at the user-name field should move the input to the password field.
4. BUG-5509 OSD: Reboot and Power off options should be available at the login screen.

EMD5004-R 1.0.2 (from EMD5004-R) has the following bug fixes:

1. Resolved issue when EDID same on different monitors (incl serial#) which caused issue on Display page.
2. Updated System page to remove unnecessary options

EMD5004-R 1.0.1 has the following bug fixes:

Initial release.