**Firmware Revision Information**

**Product Code(s):** BXAMGR

**Product Name(s):** Boxilla Enterprise-Level KVM and AV/IT Manager 2.2 Release

**Date Modified:** *December 21, 2018*

**This Document outlines:**

1. Updates and Fixes on the Release
2. Boxilla System Firmware Version and Compatibility
3. Firmware Installation
4. InvisaPC appliances
5. DKM Firmware
6. Additional Notes

For further information, please review the [Boxilla Manual](https://www.blackbox.com/en-us/store/Detail.aspx/Boxilla-Enterprise-Level-KVM-and-AV-IT-Manager/BXAMGR)

**Updates and Fixes on this Release**

Boxilla 2.2 comes with the following new features:

* **Support for EMD2002SE**

 Boxilla now supports management of the Emerald SE Dual Head appliances.

**BOXILLA System Firmware Version and Compatibility for Version 2.2**

Version 2.2 of BOXILLA firmware has been validated in systems with the following versions of InvisaPC firmware.

All versions of InvisaPC appliances must be upgraded to 4.3.1 as soon as Boxilla is upgraded.

Go to the user manual for instructions on the upgrade. [Boxilla Manual](https://www.blackbox.com/en-us/store/Detail.aspx/Boxilla-Enterprise-Level-KVM-and-AV-IT-Manager/BXAMGR)

- DTX1002-R **V4.5.0\_r5988**

- DTX1002-T **V4.5.0\_r5988**

- DTX1000-R **V4.5.0\_r5988**

- DTX1000-T **V4.5.0\_r5988**

**-** DTX1000SA-R **V4.5.0\_r5988**

**-** DTX1000SA-T **V4.5.0\_r5988**

Version 2.2 of BOXILLA firmware has been validated in systems with the following versions of Emerald firmware.

Go to the user manual from instructions on the upgrade. [Boxilla Manual](https://www.blackbox.com/en-us/store/Detail.aspx/Boxilla-Enterprise-Level-KVM-and-AV-IT-Manager/BXAMGR)

EMD4000 Transmitter and Receivers **V1.1.0\_r3399**

EMD2000SE Transmitter and Receivers **V4.5.0\_r5988**

EMD2002SE Transmitter and Receivers **V4.5.0\_r5988**

**Firmware Upgrade (for 1.1/1.0.1/1.0.0 versions of Boxilla)**

Pre-requisite: Ensure you have access to the Boxilla unit, as you may need to power cycle it following the upgrade.

Please Note: **All InvisaPC appliances should be upgraded to 4.5.0 only after Boxilla unit is upgraded to 2.2. Please go to** [**www.Blackbox.com**](http://www.Blackbox.com) **for upgrade files and contact your local Black Box Technical support. Contact details are available at** [**www.blackbox.com/en-us/support/black-box-products**](http://www.blackbox.com/en-us/support/black-box-products) **for USA and Canada, and for the rest of the world at** [**https://www.blackbox.co.uk/gb-gb/page/20667/Support/Tech-Support-Centre/Contact-Us**](https://www.blackbox.co.uk/gb-gb/page/20667/Support/Tech-Support-Centre/Contact-Us)

1. Download the Boxilla image “bxa\_2.2.0.3828.bbx” to a PC where you can access the web interface of the Boxilla.

2. Log on to the Boxilla server via its web interface.

3. On the web interface, go to System, administration page and select Upgrade.

4. Upload the image.

5. The image will be listed in the upgrade table.

6. Click the options button for the image and select activate.

7. A message will appear indicating that the upgrade is in progress.

8. You should be automatically returned to the dashboard once the upgrade has completed.

9. If you receive an error message or the system does not respond within 5 minutes, power cycle the Boxilla unit and the upgrade
 will be complete.

10. All InvisaPC appliances should be upgraded to 4.3.1 once the Boxilla unit upgrade is complete.

**InvisaPC appliances**

This Boxilla version is intended to be paired up with V4.5.0\_r5988 appliance load.

Regarding DTX1000-R, DTX1000-T, DTX1002-R, DTX1002-T, DTX1032-R:

Once upgraded to version 4.5.0, it will not be possible to downgrade to an older release prior to 3.4.1.

Regarding DTX1000SA-R, DTX1000SA-T, DTX1000SM-R, DTX1000SM-T:

* All versions of InvisaPC appliances should be upgraded to 4.5.0 as soon as Boxilla is upgraded.
* Older models of the DTX1000-R and DTX1000-T are not supported by version 4.2.0. Older models can be determined by the Manufacturing Part Number (MPN) on the label at the base of the unit or on the OSD information tab.

|  |  |
| --- | --- |
|  **DTX1000-T**  |  **DTX1000-R**  |
| **New Model**  | 300-015-xxx  | 300-013-xxx  |
| **Old Model**  | 300-011-xxx  | 300-010-xxx  |

Emerald appliances

This Boxilla version is intended to be paired up with **V1.1.0\_r3399** forEmerald-4K and **V4.5.0\_r5988** for Emerald SE appliances.

**DKM Firmware**

It is recommended to use the following DKM firmware when interoperating with Boxilla and InvisaPC.

**DKM Matrix Switch**

CPU = F03.04, I08 = F03.04, OSP =F03.13

**CPU (Transmitter)**

EXT = B02.47, HID = B04.01, MSD = B02.38

**Con (Receiver)**

EXT = B03.09, HID = B04.01, MSD = B02.28

* NTFS formatted drives are currently unsupported.
* Using an invalid IP address with the Transmitter information feature on the Receiver can sometimes cause the OSD to reload.
* System tray audio mute for Windows 7 and 8 will not function when connected via Transmitter when using “Enable Audio” connection option (no issue if using USB Re-direction).
* USB headset must be present before a connection using local audio is launched.
* If the receiver network settings are set statically when creating a connection broker connection, use the broker IP instead of the hostname. (DTX1000-R, DTX1002-R, DTX1000SA-R and DTX1000M-R).
* If the receiver network settings are set statically when creating a Web Access Server connection, use the Web Access Server’s IP address and connection broker IP address rather than using their hostnames. (DTX1000-R, DTX1002-R, DTX1000SA-R and DTX1000M-R).
* Static IP addressing **must** be implemented on Receivers and Transmitters to allow them to be managed.
* The Manager **must** be assigned a static IP address.