

**Firmware Revision Information**

**Product Code(s):** EMD4000T & EMD4000R

**Product Name(s):** *Emerald 4K 1.1.0*

**Date Modified:** 20th Nov 2018

**This document outlines:**

1. Product Description
2. The initial version of Emerald firmware and key features
3. Firmware Installation
4. Notes on Release

For further information, go to [www.blackbox.com/emerald](http://www.blackbox.com/emerald)

**Product Description:**

Emerald is a high-performance KVM matrix switching solution that connects to both Physical and Virtual Machines.   
The zero-client IP-based KVM platform delivers pixel-perfect 2K/HD or 4K/UHD video resolution over an IP network.

**Firmware Versions**

EMD4000R – 1.1.0\_R3399 - This is the initial release of Emerald appliances and is applied to all Emerald Appliances.

EMD4000T -1.1.0\_ R3399 - This is the initial release of Emerald appliances and is applied to all Emerald Appliances.

Boxilla - 2.1.0.3621 – Boxilla must at version 2.0 or higher to communicate with Emerald devices.

**Key Features include:**

New resolutions supported on :   
2560 x 1080 / 60 Hz  
3440x1440 /50 Hz   
3840 x 1080 / 60 Hz   
2048 x 2048 / 60 Hz

For further information on Emerald, please click on [www.blackbox.com/emerald](http://www.blackbox.com/emerald)

**Firmware Installation**

Future upgrades will be done via Boxilla or directly via the USB connector. The upgrade procedure is described in the manual.

**Supported upgrade paths:**

V1.0\_r2500-> V1.1.0\_R3399

V1.0.1\_r2583 -> V1.1.0\_R3399

V1.0.5\_rXXX-> V1.0.5\_r3242

**Notes on this Release**

* NTFS formatted drives are currently unsupported.
* 10 G Network or point to point connection is required between the Transmitter and Receiver.
* Static IP addressing must be implemented on Receivers and Transmitters to allow them to be managed.
* Network Administrators should reference the User manual for Shared Mode configuration setting.
* In RDP VM connections, the audio quality experience can degrade when playing video.

**Links below can also be used to access Manuals**

For support in US, Australia, New Zealand and Canada – Go to: [www. Blackbox.com](http://www.blackbox.com)

For support in all other countries please go to: [www.black-box.eu/supportcenter](http://www.black-box.eu/supportcenter)