**Firmware Revision Information**

**Product Code(s):** EMD2000SE-T & EMD2000SE-R, EMD2002SE-T & EMD2002SE-R

**Product Name(s):** *Emerald-SE*

**Date Modified:** January 28th 2019

**This document outlines:**

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

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

**Product Description:**

Emerald-SE 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 resolution over an IP network.

**Firmware Versions**

EMDSE\_V5.0.5\_r6328– This release enables analog audio to be passed across multiple subnets.

BXA\_3.0.0.3948.bbx – Boxilla must at this version to support EMDSE\_V5.0.5\_r6328

**Key Features include:**

* Support for Analog Audio out for the hardware that has analog audio jacks (EMDSE & DTX1000SA).
* For further information on Emerald, please click on www.blackbox.com/emerald

**Firmware Installation**

**When upgrading, the Receiver must be upgraded before the Transmitter**

**To upgrade the Receiver:**

1. Download the Receiver image EMDSE\_V5.0.5\_r6328.clu to the root of a memory stick. Please ensure the memory stick is formatted to a FAT file system.

2. Power up the Receiver and plug in the memory key.

3. Login and select the following menu options: Control > System > Upgrade

4. A list of .clu files located in the root of your memory stick will be displayed. Select the image file RX\_EMDSE\_V5.0.5\_r6328.clu. Select OK.

5. The files will be copied to the unit and a message will appear. Select OK.

6. The upgrade will begin and the Receiver will reboot once completed.

7. Once completed, log in and select the Information tab to review the software version.

**To upgrade the Transmitter:**

1. Download the Transmitter image EMDSE\_V5.0.5\_r6328.clu to the root of a memory stick. Please ensure the memory stick is formatted to a FAT filesystem.

2. Reboot both the Receiver and the Transmitter. Preferably, have them connected point-to-point with a network cable.

3. On the Receiver, login and select the following menu options: Control > Transmitter.

4. Enter the IP address of the Transmitter and select Apply.

5. Select Upgrade.

6. Select the image file TX\_EMDSE \_V5.0.5\_r6328.clu. The Receiver will then initiate the Transmitter upgrade.

7. The Transmitter will reboot once the upgrade has completed.

8. A message will appear on the OSD stating the Transmitter Upgrade was successful.

**Supported upgrade paths:**

EMDSE\_ V4.5.0\_r5988 -> EMDSE\_V5.0.5\_r6328

**Required Boxilla version for upgrades under managed environment**:

BXA\_3.0.0.3948

**Notes on this Release**

* Static IP addressing must be implemented on Receivers and Transmitters to allow them to be managed.

**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)