

Failed Muse Install 1080p SDI Board

Note - This issue is now fixed in the G7 CentOS 6.7 installer Linux-Installer-2.00.00.003.iso

When 6.2 was released, we also had a new SDI Input board that supports 1080p. Unfortunately there is an issue with the SDI (deltacast) driver in the ISO that causes the Muse to reboot during the installation process, thus rendering the server useless. To fix this, follow this guide. This will be fixed by altering the ISO file, but this might be good information for the future, so I am writing this down.

Prerequisite

You must have installed a fresh ISO image on the Muse before starting this process, I have not tested this on a Muse that already has software on it.

You must also have already copied to the Muse the .tar.gz file for the 6.2 release and extracted it, as instructed in the installation documentation.

Recovery Overview

1. Manually Install Deltacast Driver(s)
2. Manually Remove Deltacast Driver(s) (this also removes rogue drivers that were in the ISO)
3. Reinstall the whole package (including Deltacast Drivers)

1. Manually Install Deltacast Driver(s)

To Manually install the Deltacast driver, use the following command:

```
yum install deltacast-x300-5.19-2.el6.x86_64.rpm
```

The output will be something like this:

```
Loaded plugins: fastestmirror
Setting up Install Process
Examining deltacast-x300-5.19-2.el6.x86_64.rpm: deltacast-x300-5.19-2.el6.x86_64
Marking deltacast-x300-5.19-2.el6.x86_64.rpm to be installed
Determining fastest mirrors
Resolving Dependencies
--> Running transaction check
---> Package deltacast-x300.x86_64 0:5.19-2.el6 will be installed
--> Finished Dependency Resolution
Dependencies Resolved

=====
Package            Arch      Version      Repository      Size
=====
Installing:
deltacast-x300     x86_64    5.19-2.el6   /deltacast-x300-5.19-2.el6.x86_64  50 M
Transaction Summary
=====
Install            1 Package(s)
Total size: 50 M
Installed size: 50 M
```

```
Is this ok [y/N]: y <----- YOU HAVE TO PRESS Y HERE
Downloading Packages:
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
Installing : deltacast-5.19-2.el6.x86_64 1/1
```

The Server will reboot

2. Manually Remove Deltacast Driver(s)

We now need to remove the drivers, this removed the drivers we just installed, and the rogue drivers from the ISO install that was done beforehand.

To remove the drivers, enter:

```
yum remove deltacast-x300.x86_64 (you can find the exact driver name by using yum list installed)
```

```
Loaded plugins: fastestmirror
Setting up Remove Process
Resolving Dependencies
There are unfinished transactions remaining.
You might consider running yum-complete-transaction first to finish them.
The program yum-complete-transaction is found in the yum-utils package.
--> Running transaction check
--> Package deltacast-x300.x86_64 0:5.19-2.el6 will be erased
--> Finished Dependency Resolution
Dependencies Resolved

=====
Package           Arch      Version      Repository      Size
=====
Removing:
deltacast-x300    x86_64    5.19-2.el6   installed       50 M
Transaction Summary
=====
Remove           1 Package(s)
Installed size: 50 M
Is this ok [y/N]: y
Downloading Packages:
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
Warning: RPMDB altered outside of yum.
Erasing   : deltacast-x300-5.19-2.el6.x86_64 1/1
Verifying : deltacast-x300-5.19-2.el6.x86_64 1/1
Removed:
deltacast-x300.x86_64 0:5.19-2.el6
Complete!
```

The driver removal is complete

System rebooted automatically

3. Reinstall the whole package

Now we can reinstall the whole package (6 files at the time of writing)
From the command line, enter:

```
yum install -y *.rpm
```

All six packages should now install giving an output similar to the following:

```
Loaded plugins: fastestmirror
Setting up Install Process
Examining deltacast-hd-5.19-2.el6.x86_64.rpm: deltacast-hd-5.19-2.el6.x86_64
Marking deltacast-hd-5.19-2.el6.x86_64.rpm to be installed
Loading mirror speeds from cached hostfile
Examining deltacast-x300-5.19-2.el6.x86_64.rpm: deltacast-x300-5.19-2.el6.x86_64
Marking deltacast-x300-5.19-2.el6.x86_64.rpm to be installed
Examining envivio-muse-6.02.00-081.x86_64.rpm: envivio-muse-6.02.00-081.x86_64
Marking envivio-muse-6.02.00-081.x86_64.rpm to be installed
Examining ms416-2.0-15.el6.x86_64.rpm: 1:ms416-2.0-15.el6.x86_64
Marking ms416-2.0-15.el6.x86_64.rpm as an update to 1:ms416-2.0-9.el6.x86_64
Examining protobuf-2.3.0-8.el6.x86_64.rpm: protobuf-2.3.0-8.el6.x86_64
Marking protobuf-2.3.0-8.el6.x86_64.rpm to be installed
Examining python27-2.7-5.r01.x86_64.rpm: python27-2.7-5.r01.x86_64
Marking python27-2.7-5.r01.x86_64.rpm to be installed
Resolving Dependencies
There are unfinished transactions remaining. You might consider running yum-complete-transaction first
to finish them.
The program yum-complete-transaction is found in the yum-utils package.
--> Running transaction check
---> Package deltacast-hd.x86_64 0:5.19-2.el6 will be installed
---> Package deltacast-x300.x86_64 0:5.19-2.el6 will be installed
---> Package envivio-muse.x86_64 0:6.02.00-081 will be installed
---> Package ms416.x86_64 1:2.0-9.el6 will be updated
---> Package ms416.x86_64 1:2.0-15.el6 will be an update
---> Package protobuf.x86_64 0:2.3.0-8.el6 will be installed
---> Package python27.x86_64 0:2.7-5.r01 will be installed
--> Finished Dependency Resolution
Dependencies Resolved

=====
Package            Arch           Version          Repository              Size
=====
Installing:
deltacast-hd      x86_64         5.19-2.el6      /deltacast-hd-5.19-2.el6.x86_64    9.4 M
deltacast-x300   x86_64         5.19-2.el6      /deltacast-x300-5.19-2.el6.x86_64    50 M
envivio-muse     x86_64         6.02.00-081     /envivio-muse-6.02.00-081.x86_64    377 M
protobuf         x86_64         2.3.0-8.el6     /protobuf-2.3.0-8.el6.x86_64        971 k
python27         x86_64         2.7-5.r01       /python27-2.7-5.r01.x86_64         57 M
Updating:
ms416            x86_64         1:2.0-15.el6    /ms416-2.0-15.el6.x86_64          5.6 M
Transaction Summary
=====
Install      5 Package(s)
Upgrade     1 Package(s)
Total size: 499 M
Is this ok [y/N]: y
Downloading Packages:
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
  Updating   : 1:ms416-2.0-15.el6.x86_64                1/7
  Installing : 3.0-8.el6.x86_64                        2/7
  Installing : deltacast-x300-5.19-2.el6.x86_64        3/7
  Installing : deltacast-hd-5.19-2.el6.x86_64          4/7
  Installing : python27-2.7-5.r01.x86_64               5/7
  Installing : envivio-muse-6.02.00-081.x86_64         6/7
configuring httpd ... SUCCESS
```

```
Cleanup      : 1:ms416-2.0-9.el6.x86_64          7/7
Verifying    : envivio-muse-6.02.00-081.x86_64  1/7
Verifying    : python27-2.7-5.r01.x86_64       2/7
Verifying    : deltacast-hd-5.19-2.el6.x86_64  3/7
Verifying    : deltacast-x300-5.19-2.el6.x86_64 4/7
Verifying    : protobuf-2.3.0-8.el6.x86_64     5/7
Verifying    : 1:ms416-2.0-15.el6.x86_64      6/7
Verifying    : 1:ms416-2.0-9.el6.x86_64       7/7
Installed:
deltacast-hd.x86_64 0:5.19-2.el6
deltacast-x300.x86_64 0:5.19-2.el6
envivio-muse.x86_64 0:6.02.00-081
protobuf.x86_64 0:2.3.0-8.el6
python27.x86_64 0:2.7-5.r01
Updated:
ms416.x86_64 1:2.0-15.el6
Complete!
```

That is it, the upgrade / install is now complete. All that is required now is to connect to the muse software and re-license the unit. (I would give it a reboot first)

From:
<http://cameraangle.co.uk/> - WalkerWiki - wiki.alanwalker.uk

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