Release Note

Product Name: VS-1616D, VS-1616DT

Current Version:

<table>
<thead>
<tr>
<th></th>
<th>Ver.Type</th>
<th>Ver No.</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firmware</td>
<td></td>
<td>3.2</td>
<td>April 2017</td>
</tr>
<tr>
<td>Software</td>
<td></td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Web</td>
<td></td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Hardware</td>
<td></td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

RN Date: April 2017

Reference: 11417

Kramer Product Affected:

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Minimum FW Version for Upgrade</th>
<th>Recommended for All Units</th>
<th>Only if Added Features are Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS-1616D</td>
<td>Any</td>
<td>Yes</td>
<td>N/A</td>
</tr>
<tr>
<td>VS-1616DT</td>
<td>Any</td>
<td>Yes</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Technical Notes:

- Protocol 3000 commands for the Kramer Network were added.
- New commands are described in the updated User Manuals.

Codependency with Other Products and Software:

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS-1616D</td>
<td>16x16 Matrix Switcher</td>
</tr>
</tbody>
</table>

- There is no codependency with other products or software.
Release Note History

Product Name: VS-1616D, VS-1616DT

Current Version:

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<tr>
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<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

RN Date: April 2017

Reference: 11417

The following changes were made in this version:

New Features:

<table>
<thead>
<tr>
<th>New Feature Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protocol 3000 commands were added to support the Kramer Network</td>
</tr>
</tbody>
</table>

Bugs to Fix in Future Versions:

<table>
<thead>
<tr>
<th>QC ID</th>
<th>Deferred Bug Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6102</td>
<td>Function 'Default Setup'</td>
</tr>
<tr>
<td>7151</td>
<td>Audio output noise test when tested unit is muted</td>
</tr>
</tbody>
</table>

Known Limitations (including compatibility limitations):

<table>
<thead>
<tr>
<th>QC ID</th>
<th>Limitation Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>381</td>
<td>Non-consistent Protocol 3K command response</td>
</tr>
<tr>
<td>4102</td>
<td>No response to IR3 volume control</td>
</tr>
<tr>
<td>4142</td>
<td>All changes require ENTER (according VOLUME function)</td>
</tr>
<tr>
<td>4222</td>
<td>Audio popping sound when using SPDIF for 910</td>
</tr>
<tr>
<td>4973</td>
<td>EDID manger icon in device menu is not accessible (gray)</td>
</tr>
</tbody>
</table>

Preceding Version: F – 3.1 (Main Control PCB), 4.2 (Keyboard)
Release Note History

Product Name: VS-1616D
Preceding Version: F – 3.1 (Main Control PCB), 4.2 (Keyboard)
Version Date: August 2015
Reference: 9257

Release Type:
- [x] Firmware
- [ ] Software
- [ ] Hardware
- [ ] New Product

Kramer Product Affected:

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<td>VS-1616D</td>
<td>Any</td>
<td>Yes</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Technical Notes:
- An initialization bug was fixed and Protocol 3000 commands were fixed.

Codependency with Other Products and Software:

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</thead>
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<td>VS-1616D</td>
<td>16x16 Matrix Switcher</td>
</tr>
<tr>
<td>Modules</td>
<td>See below</td>
</tr>
</tbody>
</table>
Release Note History

Product Name: VS-1616D
Preceding Version: F – 3.0 (Main Control PCB), 4.1 (Keyboard)
Version Date: July 2015
Reference: 8735

The following changes were made in this version:

Bugs Fixed:
- Keyboard
  - A matrix initialization process bug was fixed.
  - On the HS-OUT2-F16 module aspect ratios were changed from 1:1 to Full, 4:3 to Crop, 16:9 to Best Fit.
- Control
  - A matrix initialization process bug was fixed.
  - Protocol 3000 commands Bass, Treble and Mute did not work.
  - Protocol 3000 commands did not work properly with the KBD LCD menus.

Known Issues:
- 1600x1200 is the maximum resolution supported by DGKat however; HDCP content on long cable runs may cause occasional image instability at some installations.
- In the F670 IN and F670 OUT modules, there are sometimes minor audio distortions when passing resolution 1600x1200 with embedded audio.

Preceding Version: F – 3.0 (Main Control PCB), 4.1 (Keyboard)
Release Note History

Product Name: VS-1616D
Preceding Version: F – 3.0 (Main Control PCB), 4.1 (Keyboard)
Version Date: July 2015
Reference: 8735

The following changes were made in this version:

Added Features:
- Firmware support for new modular cards was added.

Module Modifications:
- VGAA-IN2/OUT2-F16
  - Audio bass, treble, and volume range was changed
  - Muting cancels if audio settings are changed
- AAD-IN2/OUT2-F16
  - Audio bass, treble, and volume range was changed
  - Muting cancels if audio settings are changed
  - Sub-options were changed
  - Only valid menus are displayed
- SDIA-IN2/OUT2-F16
  - Audio bass, treble, and volume range was changed
  - Muting cancels if audio settings are changed
  - Sub-options were changed
  - Only valid menus are displayed
Release Note History

- TEST-OUT2-F16
  - Audio bass, treble, and volume range was changed
  - Muting cancels if audio settings are changed
  - Sub-options were changed
  - Only valid menus are displayed

- HS-OUT2-F16
  - Switch map made for special switch 99

- HAA-IN2/OUT2-F16
  - Audio bass, treble, and volume range was changed
  - Muting cancels if audio settings are changed
  - Sub-options were changed
  - Only valid menus are displayed

Known Issues:

- 1600x1200 is the maximum resolution supported by DGKat however; HDCP content on long cable runs may cause occasional image instability at some installations.

- In the F670 IN and F670 OUT modules, there are sometimes minor audio distortions when passing resolution 1600x1200 with embedded audio.

Preceding Version: F – 2.2 (Main Control PCB), 3.0 (Keyboard)
Release Note History

Product Name: VS-1616D
Preceding Version: F – 2.2 (Main Control PCB), 3.0 (Keyboard)
Version Date: July 2014
Reference: 6502

Release Type:
☒ Firmware  ☐ Software  ☐ Hardware  ☐ New Product

Kramer Product Affected:

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Technical Notes:

- Fast switching was added.
- Fast switching also requires new firmware for relevant Input and Output boards. Contact your Kramer office for details.
- New features are described in the updated User Manual available from our website.

Codependency with Other Products and Software:

- There is no codependency with other products or software.
Release Note History

Product Name: VS-1616D
Current Version: F – 2.2 (Main Control PCB), 3.0 (Keyboard)
Version Date: July 2014
Reference: 6502

Added Features:
- The fast switching feature was added.

Known Issues:
- 1600x1200 is the maximum resolution supported by DGKat however; HDCP content on long cable runs may cause occasional image instability at some installations.
- In the F670 IN and F670 OUT modules, there are sometimes minor audio distortions when passing resolution 1600x1200 with embedded audio.

Preceding Version: 2.1 (Main Control PCB), 2.0 (Keyboard)
Release Note History

**Preceding Version:** 2.1 (Main Control PCB), 2.0 (Keyboard)

**Version Date:** February 2013

**Reference:** 004382

The following changes were made in this version:

**Additions:**

- Support for Protocol 3000 was added.
- Support for new HDMI/Audio cards was added

**Known Issues:**

- 1600x1200 is the maximum resolution supported by DGKat however; HDCP content on long cable runs may cause occasional image instability at some installations.

**Preceding Firmware Version:** 2.0
Release Note History

Preceding Version: 2.1
Version Date: December 2012 (ver. 2)
Reference: 003896, 003939, 004351

The following changes were made in this version:

Fixes:
- A problem with showing 3D on some displays was fixed.

Known Issues:
- 1600x1200 is the maximum resolution supported by DGKat however; HDCP content on long cable runs may cause occasional image instability at some installations.

Preceding Firmware Version: 2.0
Release Note History

Preceding Version: 2.0
Version Date: December 2011
Reference: 1457

The following changes were made in this version:

Added Features:
- Support for Multichannel 7.1 was added.

Known Issues:
- 1600x1200 is the maximum resolution supported by DGKat however; HDCP content on long cable runs may cause occasional image instability at some installations.

Preceding Firmware Version: 1.0
Release Note History

Product Name: VS-1616D
Preceding Version: NP – 1.0
Version Date: September 2011
Reference: 443

This is a release note for a new product.

Known Issues:

- 1600x1200 is the maximum resolution supported by DGKat however; HDCP content on long cable runs may cause occasional image instability at some installations.

Preceding Version: 2.1 (Main Control PCB), 2.0 (Keyboard)