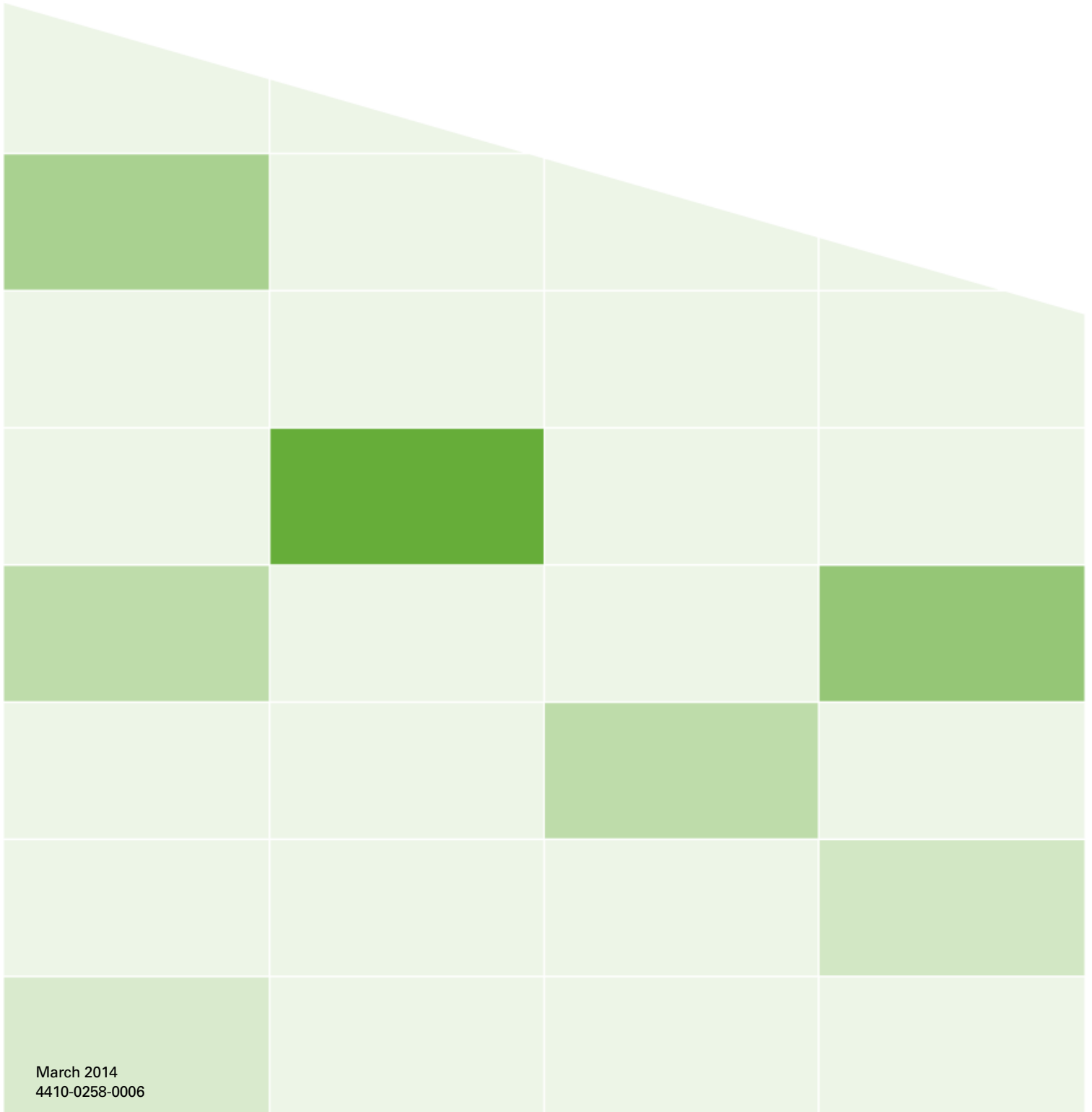




VBrick Rich Media Studio

VBrick RMS v1.7.27

Release Notes



Copyright

© 2014 VBrick Systems, Inc. All rights reserved.
2121 Cooperative Way, Suite 100
Herndon, VA 20171, USA

This publication contains confidential, proprietary, and trade secret information. No part of this document may be copied, photocopied, reproduced, translated, or reduced to any machine-readable or electronic format without prior written permission from VBrick Systems, Inc. Information in this document is subject to change without notice and VBrick assumes no responsibility or liability for any errors or inaccuracies. VBrick, VBrick Systems, the VBrick logo, VEMS Mystro, StreamPlayer, and StreamPlayer Plus are trademarks or registered trademarks of VBrick Systems, Inc. in the United States and other countries. Windows Media, SharePoint, OCS and Lync are trademarked names of Microsoft Corporation in the United States and other countries. All other products or services mentioned in this document are identified by the trademarks, service marks, or product names as designated by the companies who market those products. Inquiries should be made directly to those companies. This document may also have links to third-party web pages that are beyond the control of VBrick. The presence of such links does not imply that VBrick endorses or recommends the content of any third-party web pages. VBrick acknowledges the use of third-party open source software and licenses in some VBrick products. This freely available source code is posted at <http://www.vbrick.com/opensource>

About VBrick Systems

Founded in 1997, VBrick Systems, an ISO 9001 certified vendor, is a privately held company that has enjoyed rapid growth by helping our customers successfully introduce mission critical video applications across their enterprise networks. Since our founding, VBrick has been setting the standard for quality, performance and innovation in the delivery of live and stored video over IP networks—LANs, WANs and the Internet. With thousands of video appliances installed world-wide, VBrick is the recognized leader in reliable, high-performance, easy-to-use networked video solutions.

VBrick is an active participant in the development of industry standards and continues to play an influential role in the Internet Streaming Media Alliance (ISMA), the MPEG Industry Forum, and Internet2. In 1998 VBrick invented and shipped the world's first MPEG Video Network Appliance designed to provide affordable DVD-quality video across the network. Since then, VBrick's video solutions have grown to include Video on Demand, Management, Security and Access Control, Scheduling, and Rich Media Integration. VBrick solutions are successfully supporting a broad variety of applications including distance learning and training, conferencing and remote office communications, security, process monitoring, traffic monitoring, business and news feeds to the desktop, webcasting, corporate communications, collaboration, command and control, and telemedicine. VBrick serves customers in education, government, healthcare, and financial services markets among others.

Rich Media Studio v1.7.27 Release Notes

VBrick's Rich Media Studio is an “all in one” device that captures and delivers live presentations and records them for on-demand playback over IP networks. The Rich Media Studio combines both video and VGA/DVI sources into one video stream and delivers them live on-demand with enterprise-wide distribution. This document describes the current release of the Rich Media Studio software. Any information contained in this document should be regarded as VBrick Systems customer confidential and should not be reproduced nor distributed to non-VBrick Systems customers.

What's New in v1.7.27 1
Known Limitations 2
Caveats 2

What's New in v1.7.27

- Enables new hardware setup to be built for 3G-SDI (1080p)
- Adds SDI Embedded Audio support
- Fixes startup issue with standard user
- Fixes RTMP connection issue with Wowza (flashVer parameter)
- Fixes RTMP authentication issue with Akamai (opaque parameter)
- Fixes RTMP error message type
- Adds IIS Management REST Services option to Smooth Streaming broadcast outputs (enabled by default)
- Further details error when IIS Smooth Streaming Management REST Services are not supported (Akamai for instance) and option is still enabled
- Fixes IIS Smooth Streaming Management REST Services connection persisting
- Adds Smooth Streaming reconnection after network failure
- Adds Progressive Download option to H.264 outputs
- Windows Media complexity level re-exposed in UI
- NaN value issue for 0-size subvideo data
- OCR xml special characters issue
- Timestamp start/stop time scheme issue for script commands
- Script commands buffer size has been increased 10 fold
- Low disk space warning and auto stop

Compatibility

RMS 1.7 has been tested and is compatible with the following VBrick products and versions.

Table 1. VBrick Product Compatibility

VBrick Product	Version †
6000 Series Windows Media Encoder	4.5
7000 Series H.264 Encoder	3.1

VBrick Product	Version †
9000 Series H.264 Encoder	1.0
Distributed Media Engine (DME)	3.0 (3.1.1 recommended)
VEMS Portal Server	5.4.2 only
StreamPlayer	5.2

† Use version shown or higher.

Known Limitations

- Session configurations from software version 1.0 are not compatible.
- Reboot is required if a USB joystick is plugged into the system in order for it to be recognized.
- Launching the Hardware Configuration Console while recording affects performance and is not recommended.
- Locking the Windows screen (by hitting CTRL+ALT+DEL or by enabling the Windows Screen Saver's "On resume, password protect" option) may cause the software to close when the Windows desktop is re-activated.
- Windows Remote Desktop Connection and other programs that use the RDP protocol are not compatible. To control remotely while the software is running requires other remote programs such as VNC, TeamViewer, etc.
- The re-sync button for video inputs may require more than one attempt to re-sync if the video input is not correctly detected.
- System restart is required before uninstalling Videum drivers. Not doing so may result in a bluescreen during the uninstallation process.
- "Phantom Power" option in the Hardware Configuration Console only applies to the "Mic" input, though it may appear to be available for other audio channels.
- When Videum drivers are updated, audio may require right-click > Reset in the Hardware Configuration Console.
- Depending on the platform, Smooth Streaming performance may be limited to 3/4 video streams.
- A/V sync issue with "MPEG-4 + AAC" output from the High Quality Archive category.
- HLS outputs are not able to be utilized on systems running Windows Storage Server 2003. These outputs require IIS Media Services, which cannot be run on this operating system. Please consult your Sales Representative regarding upgrading your system to hardware capable of providing these outputs.

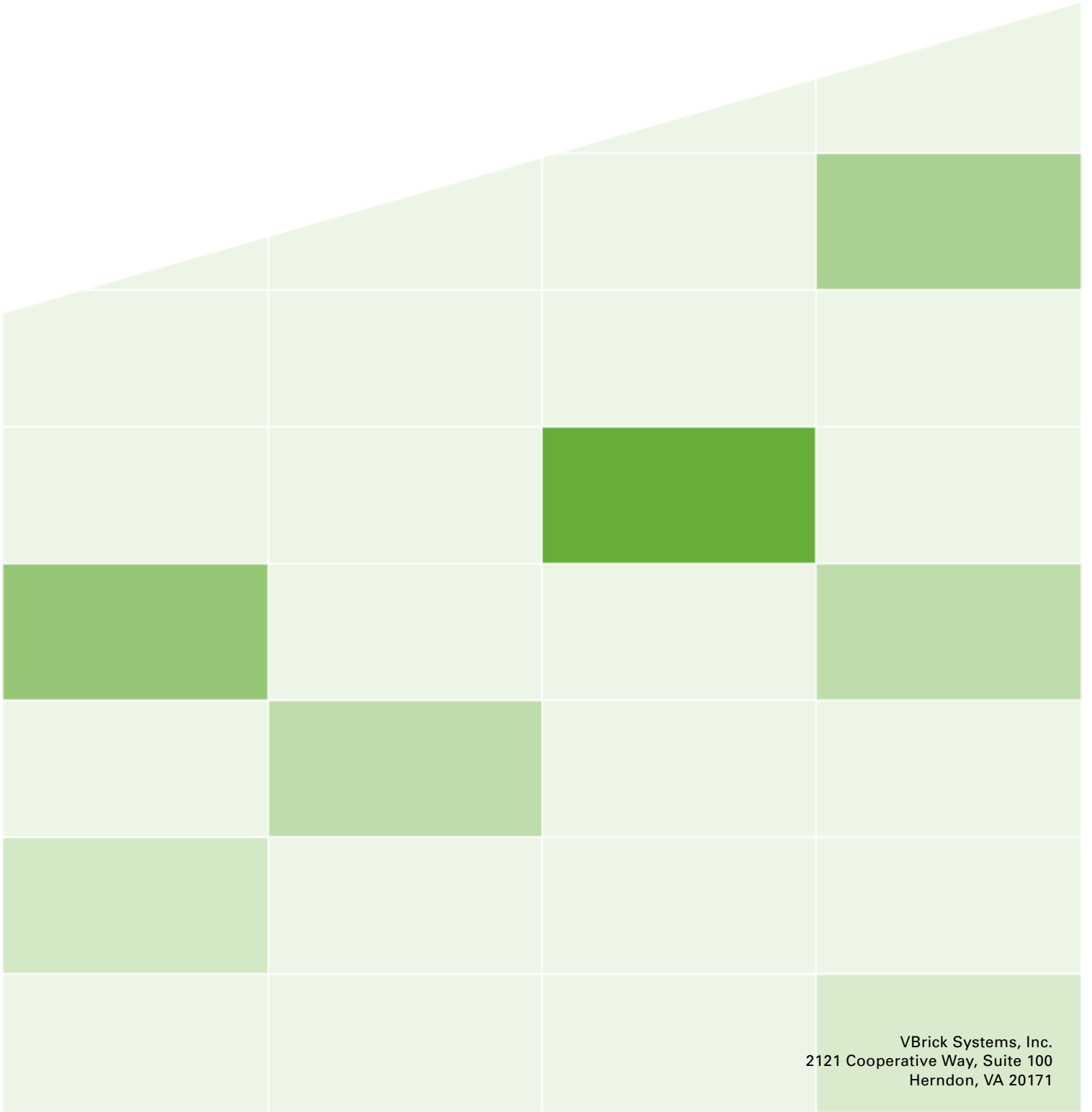
Caveats

This section addresses known issues in this release, most of which have an easy workaround. For more information about any item, or help with an issue not listed here, contact your reseller or VBrick Support Services.

-
- H.264 unicast streams from RMS will stop streaming if the destination device (e.g. a set top box or DME) is not ready. (70)
 - will not play on the DME and possibly on other VBrick devices. (114)

- RMS live streams will not play in the VEMS Mystro Silverlight player when the Portal Server is configured for SSL. (122)
- RMS live streams will not play in the VEMS Mystro Silverlight player if the URL has a port number other than 80. For example this URL will not play: `rtsp://172.22.2.157:554/VBP/stream.wmv` (124)
- Because of Microsoft software issues, you cannot use Windows **Remote Desktop Connection** with RMS Standard and RMS Professional. To work around this issue, use VNC, TeamViewer, LogMeIn or a similar remote desktop program. (96)
- Silverlight player for displaying RMS output on VEMS Mystro will not work if HTTPS is enabled on the VEMS server. (122)
- 1600x1200 RGB input is allowed but not recommended. The output will be cropped and the viewing experience will be less than ideal. The maximum recommended RGB input resolutions for full frame rate capture (30fps) are 1024x768 (4:3) and 1280x720 (16:9).
- When a broadcast session is in progress, if you log off or press **Ctrl+Alt+Del**, the session in progress will be terminated.
- The "presenter" PC (or laptop) connected to the Rich Media Studio must be configured with a Screen Resolution of 1024x768 (or 800x600) px.
- If encoding a PowerPoint presentation, VBrick recommends using a minimum font size of 14 pt.
- You cannot launch and play Rich Media Studio streams shown in the Portal Server from a Macintosh desktop. VBrick is developing an enhancement for our Macintosh player that will support Rich Media streams.
- The "Side By Side" template is designed for wide screen TVs or flat panel monitors and is not supported on WM IP Receivers.
- The Rich Media appliance shipped with "Automatic Updates" for Windows set to **Notify me but don't automatically download them**. To avoid impacting performance, install updates only when the system is idle. Also, be sure to install "critical" updates only. Do not update any drivers except as directed by VBrick.
- After starting a presentation that "pushes" the stream to VBrick Reflector or a Windows Media Server, it takes 10–15 sec. for the push to start on the reflector or server.





VBrick Systems, Inc.
2121 Cooperative Way, Suite 100
Herndon, VA 20171