



EtherneTV-VOD W Video on Demand Server

VOD 50/125/300W v3.1.2
Release Notes



VBrick Systems, Inc.
12 Beaumont Road
Wallingford, Connecticut 06492

August 7, 2006
4410-0168-0001

Copyright

© 2006 VBrick Systems, Inc. All rights reserved.
12 Beaumont Road
Wallingford, Connecticut 06492 USA
www.VBrick.com

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. Information in this document is subject to change without notice and VBrick Systems assumes no responsibility or liability for any errors or inaccuracies. VBrick, VBrick Systems, the VBrick logo, StreamPlayer, and StreamPlayer Plus are trademarks or registered trademarks in the United States and other countries. Windows Media is a trademarked name 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. Use these links at your own risk. The use of such links does not imply that VBrick endorses or recommends the content of any third-party web pages. Some VBrick products use open source software provided by third parties. VBrick supports the Open Source Initiative (OSI) and this source code is freely available 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 over 20,000 video appliances installed across over 1,000 IP networks 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.

VOD W v3.1.2 Release Notes

The EtherneTV-VOD W server is a robust, on-demand server that comes in three models depending on throughput and number of simultaneous users that are allowed. The license file you received corresponds to one of these models. To increase throughput or the number of allowed users, you must purchase a different model—you cannot simply upgrade the license file.

- VOD 50W – 50 Mbps, 50 simultaneous users.
- VOD 125W – 125 Mbps, 125 simultaneous users.
- VOD 300W – 300 Mbps, 300 simultaneous users.

This document contains release notes for v3.1.2 of the VBrick EtherneTV-VOD W server. Any information contained in this document is VBrick Systems customer confidential and should not be reproduced or distributed to non-VBrick customers. This document has the following information:

What's New	1
Compatibility	1
Features	1
Installation	2
Upgrade	2
Changing the Default FTP Password	2
VBrick Security Update Policy	3
Caveats	3

What's New

This 3.1.2 release has code updates only. There are no changes to features or functionality.

Compatibility

This VOD W v3.1.2 software release is compatible with:

- VBrick 1000 and 3000 series of MPEG-1 encoders (v2.4 and higher).
- VBrick 4000 and 6000 series of MPEG-2 and MPEG-4 encoders (v2.1 and higher).
MPEG-4 is supported with v3.0.1 and higher.
- EtherneTV Portal Server v3.1 or higher.
- EtherneTV Set Top Box v3.7.2 or higher.

Features

The EtherneTV-VOD W server is part of VBrick's EtherneTV family of products which includes the ETV Portal Server, MPEG-1/2/4 streaming encoders, and the ETV Set Top

Box. The VOD W is built on a Dell hardware platform and delivers stored MPEG assets as unicast streams across an Ethernet network. Some notable features include:

- Support for DVD-quality, standards-based video formats including MPEG-1/2/4 and Windows Media.
- Seamless integration with VBrick's ETV Portal server.
- Graphical monitoring tools that let you view the status of all streaming sessions, view utilization statistics for each drive, set log levels, and view system events.
- Remote server administration for most tasks using a Remote Desktop Connection.
- Fully-compatible one and two terabyte RAID storage devices that are easy to install and configure.
- Support for MPEG-1, MPEG-2, and MPEG-4 closed captions.

Installation

The EtherneTV-VOD W server is shipped from VBrick with Windows 2003 Server Web Edition (with Service Pack 1) and all VOD W software already installed. If you need to re-install the software for any reason, see the instructions in the *VOD W Server Quick Start Guide*.

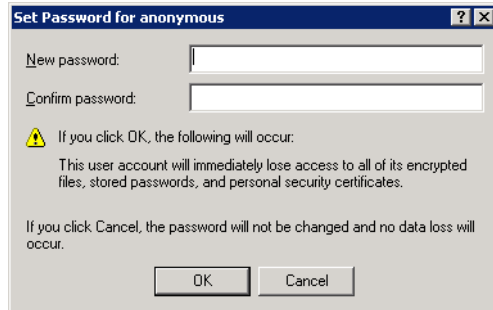
Upgrade

- ▼ To upgrade from 3.1 to 3.1.2:
 1. Insert the Product CD in the computer and navigate to the "VOD W Software" page.
 2. Double-click on [SetupVODW_3_1_2.exe](#) and follow the prompts.
 3. Reboot the computer when done.

Changing the Default FTP Password

VBrick strongly recommends you change the default FTP password after the VOD W server is installed. The default user name/password is anonymous/anonymous. *You must change the password in three different places as explained below: Computer Management, Internet Information Services (IIS), and in ETV Portal Server.*

- ▼ To change the password in **Computer Management**:
 1. Get a new password from your system administrator.
 2. Go to **Start > Control Panel > Administrative Tools > Computer Management**.
 3. Highlight **Local Users and Groups** and double-click on **Users** in the right pane.
 4. Right-click on [anonymous](#) and select **Set Password**. Click **OK** when done.



- ▼ To change the password in **IIS**:
 1. Go to **Start > Control Panel > Administrative Tools > Internet Information Services (IIS) Manager**.
 2. Expand the tree control, right-click on **Default FTP Site** and select **Properties**.
 3. On the **Security Accounts** tab, select the **anonymous** user and enter the new password.
- ▼ To change the password in **ETV Portal Server**:
 1. Launch the ETV Portal Server configuration tool.
 2. Navigate to **Global Settings > Servers**.
 3. Change the **FTP Password** so that it matches the password you entered in Computer Management and IIS.

VBrick Security Update Policy

VBrick has fully tested all of its server-based software products on Windows Server 2003 Web Edition (with Service Pack 1) with all current Microsoft security updates installed. It is standard VBrick policy to configure and ship our servers with all current service packs and security updates as of the shipping date of the product. We also run limited regression tests when new service packs and updates are released by Microsoft. Once VBrick software is installed at a customer site however, it becomes the customer's sole responsibility to install security updates and software patches as they become available. To protect against imminent threats, VBrick recommends you install and/or test all Microsoft security updates as soon as they are available.

- ▼ To see what security (and other) updates are installed:
 1. Go to **Start > All Programs > Windows Update**.
 2. In the right navigation pane, click **Review your update history** to display the history of all installed updates.
 3. If necessary, go to **Start > Control Panel > Add or Remove Programs** to remove an unwanted update.

Caveats

- MPEG-2 and MPEG-4 audio-only files are not supported and cannot be ingested from the ETV Portal Server. MPEG-2 audio-only files can be manually ingested from the InfoValue GUI. When ingesting manually, check **Do Not Process Content** to inhibit generation of index files.

-
- MPEG-4 files should always be hinted prior to ingestion. Hinting is always on for recording with ETV Portal Server. Hinting is on by default in StreamPlayerPlus. Do not change this default setting if the files may subsequently be ingested to the ETV VOD W.
 - The QVCS service on the ETV VOD W server must be restarted after making any configuration changes.
 - The QVOD monitor tool cannot be used with a Remote Desktop Connection.
 - MPEG-4 low bitrate files (less than 200 Kbps) streamed to the set top box begin and restart repeatedly within 2–3 minutes with the default configuration. To workaroud this issue, increase the **Data Buffering Seconds** parameter in the STB configuration.
 - When managing a RAID array, if you insert a drive into an array, make sure that enough time has elapsed to sync the RAID array before removing any disks. Contact VBrick Support Services if you need help adding a drive.
 - When the VOD W server is ingesting files, there may be a brief video hit (for example several dropped frames) in a file that is streaming from the server at the same time. This happens each time an ingestion completes.



VBrick Systems, Inc.
12 Beaumont Road
Wallingford, Connecticut 06492