



ProHD BR-DE800 Professional Decoder Appliance

User Manual

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Safety Instructions

- Use the following safety guidelines to help protect your ProHD BR-DE800 Decoder unit from potential damage and to ensure your own personal safety.
- Make sure that only authorized personnel installs, connects and maintains ProHD BR-DE800 Decoder and its components.

When using ProHD BR-DE800 Decoder

- To help prevent electric shock, plug the power cable into properly grounded sources. Use only properly grounded extensions and adapters as the need arises.
- Make sure that nothing rests on your ProHD BR-DE800 Decoder power cable and that the cables are not located where they can be stepped or tripped over.
- Do not spill food or liquids on your unit.
- Keep your ProHD BR-DE800 Decoder unit away from radiators and heat sources. Do not place your ProHD BR-DE800 Decoder unit on a bed, sofa, or rug.
- When you disconnect a power cable, pull on its connector or on its strain relief loop not on the cable itself.
- **ESD Warning**: Normal handling precautions should be taken to avoid static discharge.



WARNING:

Do not try to open or replace parts as this will void your warranty.

CHAPTER 1

About This Manual

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General

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Manual Structure and Use

This manual is structured in a modular format, containing the following sections:

• ProHD BR-DE800 Decoder Overview (on page 4)

Describes the ProHD BR-DE800 Decoder product, its system requirements and I/O specifications.

- Getting Started and Initial Setup (on page 7)
 Describes how to connect to the appliance for the first time.
- Setup and Operations (on page 21)
 Describes how to set and configure ProHD BR-DE800 Decoder appliance.
- General Management (on page 28)
 Describes how to upgrade, restore settings and restart the appliance.



CHAPTER 2

ProHD BR-DE800 Decoder Overview

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The Product

ProHD BR-DE800 Decoder is a high-performance IP decoding appliance for standard definition and high definition MPEG-2 and MPEG-4 H.264 streams. The Decoder features a flexible selection of output interfaces, including 3G, HD-SDI, HDMI and Composite video. It comes in a fan-less, portable design, and is ideal for portable and stationary applications. The ProHD BR-DE800 supports various streaming protocols including UDP, RTP, RTSP, ZiXi[™], and Pro-MPEG FEC.

The ProHD BR-DE800 Decoder package includes:

- The ProHD BR-DE800 Decoder appliance
- Power supply
- A CD containing the ProHD BR-DE800 Decoder user manual, firmware upgrade and reset utilities, an XML file (for USB Thumb Drive), SSH security file, and brochure.

Communication Protocols

Telnet/SSH Client:

• Microsoft Windows Telnet client

Or

• Third-party Telnet/SSH client such as Putty.



I/O Specifications

ProHD BR-DE800 Decoder Front Panel



ProHD BR-DE800 Decoder Rear Panel



Interface	Туре	Description / Usage
Ethernet	RJ-45	Ethernet port for receiving incoming streams and for remote management
HDMI Out	HDMI	HDMI HD/SD video output w/ embedded audio
USB 1	USB	Used for saving and uploading/resetting network configuration.



Interface	Туре	Description / Usage
COMP Out	Composite	Composite SD video output
Audio Out	Mini-jack	Stereo audio out (unbalanced)
USB 2	Mini-B USB	Used for firmware upgrade only
SDI 2 Out	BNC	HD/SD-SDI Output w/ embedded audio
SDI 1 Out	BNC	HD/SD-SDI Output w/ embedded audio
POWER +12V		Power input.

Getting Started and Initial Setup

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Initial Connection and Setup

The ProHD BR-DE800 Decoder is configured, by default, to use a fixed static IP address for its streaming port (labeled "Ethernet"). Use the default **192.168.1.2** IP address to perform initial login from a computer connected directly to the platform.

The ProHD BR-DE800 Decoder is configured using a menu-based configuration utility that is accessed over IP using either Telnet or SSH. In order to comply with various IT security requirements – Telnet connectivity can be disabled/enabled by using the unit's configuration utility. The SSH interface requires a security file to be used. This file is located on the product's CD.

Both the Telnet and the SSH interfaces are password protected. The password is user-configurable. The Telnet interface presents a fixed password prompt prior to presenting the user-configurable password prompt.



Connecting from a PC

To connect to the appliance from a terminal window on a PC:

- 1. Open a Telnet terminal window (refer to MS instructions on how to enable Telnet for Win OS).
- 2. Connect to the ProHD BR-DE800 Decoder IP address.
- 3. At the primary login prompt, type "**admin**" and when prompted for the first password, type "**admin**" again, This password is fixed, but you can change it as described later in this chapter.
- 4. At the secondary password prompt, type the same default password "jvc1234".



Figure 3-1: The Login window



To configure the appliance's network settings:

1. Once logged-in, the main menu appears.

6.111	1.41				-	_	_			x
*	****	Pr	oHD BF	R-DE800	Confi ****	guration ******	Utility *******	v2.5	* ******	 -
i					Main	Menu			i	
•				Host	name:	BR-DE80	0		•	
pti	ons:									
rati eso Moi tem defa ggra stat ensi	or pa me lutio de sett ault ade tus t	sswor n ings setti	d ngs							
e:		_								



To change the unit's host name:

- 1. From the main menu, type "1" for **Hostname**.
- 2. Change the host name and hit enter:

Telnet 172.16.111.4	1	
****	**************************************	* III
	Host Name	
+	Hostname: BR-DE800	
Enter Ø to abord Please enter nev	t and return to the previous menu v hostname:	-

Figure 3-3: The Host Name window



To configure network settings:

1. From the main menu, type "2" for **Network**. The Network Settings menu appears:

Telnet 172.16.105.172	
**************************************	**************************************
l Network Settings	
Hostname: BR-DE800	
Available Options:	
 Uiew current network settings Set TCP/IP parameters Enable/Disable Telnet Interface. Create Decoder Network Settings File on USB disk. Return to Main Menu 	
Enter choice:	
•	±. ∢

Figure 3-4: The Network Settings window

- 2. To set TCP/IP parameters manually type "2" for Set TCP/IP parameters and set the following values:
 - Enter the appliance's new IP address
 - Enter the appropriate subnet mask
 - Enter your default gateway address
 - Enter the DNS address (optional)
 - Enter the NTP address (optional)
 - When prompted, type "**y**" to restart the unit. Wait for unit to restart and reload the Configuration Utility menu by re-connecting to the unit using its new IP address



CAUTION:

If you have changed the appliance's IP address to a different subnet you may need to reconfigure your computer network settings to re-connect to the appliance.



3. To enable/disable Telnet type "3" for **Enable/Disable Telnet.**

Telnet 172.16.105.172			
********* * ********	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		
	Enable/Disable Telnet	_	
	Hostname: BR-DE800		
Available Options:			
1. Enable Telnet 2. Disable Telnet 0. Return to previous	menu		
Enter choice:			
-			Ŧ
•	111	•	.44

Figure 3-5: The Enable-Disable Telnet window

4. To save decoder's settings on a USB thumb drive, insert the USB drive to the decoder's USB port and type "4" for **Create Decoder Network Settings File on USB disk.**



Figure 3-6: The Create Network Settings File on USB Disk window



To change the Administrator password:

- 1. From the main menu, type "3" for Administrator password.
- 2. Type "y" when prompted.
- 3. Type new password.
- 4. Re-type password when prompted.

Telnet 172.16.111.41	
**************************************	*
Administrator Password	i
Hostname: BR-DE800	•
Do you really want to change the Administrator password? [Y/N]	
	-

Figure 3-7: The Administrator Password window



To change the unit's date and time:

- 1. From the main menu, type "4" for **Date and time**.
- 2. From the main menu, type "2" for **Update date and time**.

Ca. Telnet 172.16.111.41			
**************************************	**************************************	**************************************	* III
l 	System Date/Time	k	
•	Hostname: BR-DE800	·	
Available Options:			
1. View current date and 2. Update date and time 0. Return to Main Menu	time		
Enter choice:			
			-

Figure 3-8: The Date and Time window

3. Update the date and time.



Connecting from a Mac

To set up the IP address of the Mac:

1. Click the Apple icon and from the menu select **System Preferences.** The following window appears:

	Show All		System F	Preferences		Q	
Personal	Desktop & Screen Saver	 Dock	Mission Control	Language & Text	Security & Privacy	Spotlight	Universal Access
Hardware CDs & DVDs	Displays	Energy Saver	Keyboard	Mouse	Trackpad	Print & Scan	Sound
Internet &	Wireless @ Mail, Contacts & Calendars	MobileMe	Network	Bluetooth	(1) Sharing		
System	Parental Controls	Date & Time	Software Update	Speech	(With the Machine	Startup Disk	
Other							



Show All	J			(Q
	Location:	Automatic	\$	
Ethernet Connected	~~~>	Status:	Connected	
Wi-Fi Connected			Ethernet is currently active address 192.168.1.253.	and has the IP
PrivateAccess Connected		Configure IPv4:	Manually	*
E7-00 3	Car	IP Address:	192.168.1.253	
E7-00 4	0.20	Subnet Mask:	255.255.255.0	
Not Configured		Router:		
E7-00 Not Configured	Cry .	DNS Server:		
E7-00 2 Not Configured	Cris	Search Domains:		
FireWire Not Connected	*			
Bluetooth PAN Not Connected	⊗			
- &▼				Advanced
n				

2. Select **Network**. The following window appears:

- 3. Manually set the **IP Address** of the Mac to **192.168.1.253**. Set the Subnet Mask to **255.255.255.0** as shown in the figure above, and click **Apply**.
- Type terminal in the **Spotlight** field. See figure below (alternatively, you may press the command and tab keys simultaneously, and from the Application switcher select **Finder>Go>Applications>Utilities**):





5. In the terminal window, type "**telnet 192.168.1.2**". For login type "**admin**". When prompted for the first password, type "**admin**" again, and when prompted for the second password type: "**jvc1234**". See figure below:

$\bullet \ \bullet \ \bullet$	👚 apple — telnet -	- 80×24	4	R _M
Last login: Mon Feb 2 12:01 apples-mbp:~ apple\$ telnet 1 Trying 192.168.1.2 Connected to 192.168.1.2. Escape character is '^]'.	:32 on console 92.168.1.2	<i>Type:</i> telnet 19	2.168.1.2	
BR-DE800 login: admin Password: Enter password:		admin admin jvc1234	(login) (first password) (second password)	



6. The **ProHD BR-DE800 Decoder Configuration Utility** appears:

$\bigcirc \bigcirc \bigcirc$	👚 apple — telne	t — 80×24	K
	************	**************************************	E
	Main M	1enu	
	+Hostname: E	+ 3R-DE800	
Available Op	tions:		
1. Hostname 2. Network 3. Administr 4. Date and 5. Output re 6. IP input 7. Decoding 8. View syst 9. Restore of A. System up B. Decoder s C. Restart u D. Zixi Lice 0. Quit Enter choice	ator password time solution Mode em settings efault settings grade tatus nit nse		

7. Follow the steps in the Connecting from a PC (on page 7) section for detailed instruction of how to configure the decoder from the Mac. The PC and Mac configuration procedures are identical.



Initial Connection Using SSH

To configure the appliance's network settings for the first time using SSH:

- 1. Copy the private security file **"BR-DE800.ppk"** from the product CD (included in the box) to your local disk drive.
- 2. Connect a power source to the rear power input port.
- 3. Connect the network port labeled "Ethernet" to a computer in the **192.168.1.x** range with subnet **255.255.255.0** and ensure you can ping the default IP address of the unit to **192.168.1.2.**
- 4. Start your SSH client, direct it to the IP address of the unit: **192.168.1.2** and use the default username **"admin".**

R PuTTY Configuration		×	
Category:			
Session	Basic options for your PuTTY session		
	Specify the destination you want to connect to		
Keyboard	Host Name (or IP address)	Port	
Bell	192.168.1.2	22	
Features □ Window	Connection type: ◯ Raw ◯ Telnet ◯ Rlogin ◉ SSH	H 🔘 Serial	
···· Appearance ···· Behaviour ···· Translation ···· Selection	Load, save or delete a stored session Saved Sessions		
Colours Connection Data Proxy Telnet Rlogin SSH	Default Settings	Load Save Delete	
Serial	Close window on exit:	ean exit	
About	Open	Cancel	



5. Enter the SSH client's session authentication screen and direct the client to the private security file **"BR-DE800.ppk"** on your local disk drive (provided on the product's CD).



- 6. Connect to the unit using your SSH client.
- 7. At the password prompt, type "jvc1234".



Setting Network Parameters through a USB Thumb Drive

To Set Network Parameters through a USB Thumb Drive:

- 1. Turn the decoder OFF.
- 2. Obtain the *DecoderNetworkSettings.xml* file from JVC CD or from JVC Online Support Portal.
- 3. Allocate a USB thumb drive and ensure it is empty of any other files.
- 4. Copy the file to the USB thumb drive root and double click to open it using any text editor program.

DecoderNetworkSettings.xml - Not	tepad 🔄 🖸 🔀
File Edit Format View Help	
File Edit Format View Help KREQUESTS> 	<pre><header id="100" size="1" type="SET"></header> <body></body></pre>
4	- ا بر ۱۰

Figure 3-9: The DecoderNetworkSetting.xml File

Modify any of the listed network parameters as required. Ensure that Enable DHCP. is set to "false"



CAUTION:

We do not recommend enabling DHCP.

- 6. Use a USB cable to connect the USB thumb drive to the decoder.
- 7. Turn the decoder ON.
- 8. When the boot process is completed, enter the new set IP to the Internet Browser URL field. The Log on window appears.
- 9. Remove the USB thumb drive.



CHAPTER 4

Setup and Operations

In This Chapter

Decoding Video, Audio and Displaying Web Content21

Decoding Video, Audio and Displaying Web Content

ProHD BR-DE800 Decoder can decode high definition and standard definition MPEG streams as well as display web pages from the Internet or Intranet.

When decoding live IP streams, the ProHD BR-DE800 Decoder outputs video and audio using all its output interfaces, using the selected resolution and frame rate.

To change the output resolution:

- 1. From the main menu, type "5" for Output resolution.
- 2. Type "1-9, A or B" for the resolution of your choice.

Internet 172.16.111.41	
**************************************	* III
Output Resolution	
++ Hostname: BR-DE800	
Available Options: 1. Auto Detect 2. 1920x1080p E 59.94 3. 1920x1080i E 59.94 5. 1920x1080i E 59.94 5. 1920x1080i E 59.94 7. 1280x720p E 59.94 7. 1280x720p E 50 8. 720x480 (4:3) 9. 720x480 (4:3) A. 720x480 (16:9) B. 720x576 (46:9) B. 720x576 (16:9) B. 720x576 (16:9)	
Enter choice:	Ŧ

Figure 4-1: The Output Resolution window





NOTE:

- Color system settings are automatically configured by the selected resolution / frame rate
- When output resolution is set to HD (options 1-4), the Composite output interface will always display a downscaled, standard definition version of the content
- When output resolution is set to HD (options 1-4), web URL pages will not be shown in the Composite output interface.

To change the IP input:

• From the main menu, type "6" for IP Input.

Telnet 172.16.111.41	
**************************************	**************************************
IP Input	
Hostname: BR-DE800	*
IP Input :	
Text URL[Homepage]	
Available Options:	
1. UDP TS 2. RTP TS 3. Pro-MPEG 4. Zixi 5. RTSP UOD 6. Text URL 0. Return to previous menu Enter choice:	
	-

Figure 4-2: The IP Input window



• For **UDP TS** Type **"1"** and select the appropriate option.

Telnet 172.16.	111.41	
	**************************************	A III
	UDP TS Input	
	++ Hostname: BR-DE800	
Available Op 1. Standard 2. AES Encry 0. Return to Enter choice	tions: Stream pted Stream previous menu :	
		•

Figure 4-3: The USP TS Input window

• For **RTP TS**, type "2" and Enter either the multicast or unicast address.

Telnet 172.16.111.41	
**************************************	A E
IP Input	
Hostname: BR-DE800	
Enter Multicast IP (Multicast mode) Or Enter Decoder IP (Unicast mode) Or Enter 0 to return to previous menu [] :	





- For **PRO-MPEG** type **"3"** and enter the **IP address** and the **Port** number of the streaming destination. To set the FEC Level A and B port numbers you have the two following options:
- * Either enter manually the FEC port numbers.
- Or -

* Use the standard default FEC port numbers by pressing Enter on your keyboard. Standard default FEC port numbers will be automatically set according to the set streaming port number as follows:

FEC Level A Port Number = [<streaming destination port #> + (2)] e.g., when the streaming destination port is **6504**, FEC Level A port number will be **6506** (see figure below).

FEC Level B Port Number = [<streaming destination port #> + (4)] e.g., when the streaming destination port is **6504**, FEC Level B port number will be **6508** (see figure below).



For ZiXi, type "4" and select whether you plan to use the ZiXi Broadcaster Server.
 Push streaming method - when the streaming destination is the decoder IP address:
 Enter the Channel name = the Stream ID on the ZiXi Broadcaster.
 Enter the Password = the password on the ZiXi Broadcaster.

Enter the **Latency Value =** the latency value that is set on the ZiXi Broadcaster.



2

NOTE:

The ZiXi protocol supports two modes:

- Using Zixi Broadcaster Server.
- Streaming directly from the camera or encoder.

When streaming using Zixi Broadcaster Server, the BR-DE800 pulls video from one of the server's inputs. Enter the Zixi Server IP address and Stream ID / Password for the associated input (do not attempt to create new output on a server).

When streaming directly from the camera or encoder, enter the decoder's IP address and the Stream ID / PW to match the source settings.

Telnet 172.16.111.41	
**************************************	^ []
IP Input	
++ Hostname: BR-DE800	
Use Zixi Broadcaster Server [Y!N] (Y): Enter the Broadcaster Server IP [192.168.1.2] : Enter the Broadcaster Server Port (1024-65535) [6504]: Enter the Channel Name [Channel1]: Enter the Channel Name [Channel1]: Enter the Password (optional): Enter the Latency Value [300-6000]) [500]:	-



• For **RTSP VOD**, type **"5"** and enter the RTSP server IP address, port and path as shown in the image below: <ip address>:<port#>/<path> .

Telnet 172.16.	111.41	
	**************************************	^
	IP Input	
	Hostname: BR-DE800	
Enter the RT 192.168.1.10	SP URL (without the protocol prefix): :554/video1	-

Figure 4-5: The RTSP URL window

• For **Text URL**, type **"6"** and enter the **Text URL**.

For the Text URL you can use any web URL of a site/page that is reachable by the unit.



NOTE:

Some multimedia objects such as Adobe Flash may not be supported by the unit's browser.

Telnet 172.16.111.41	- 🗆 🗙
**************************************	*
IP Input	
+	*
Enter the text URL: http://192.168.1.10/prohd/index.htm	

Figure 4-6: The Text URL window





NOTE:

- In case of planned reboot or power outage, ProHD BR-DE800 Decoder will automatically resume playback of the last configured IP Input.
- When output resolution is set to HD (options 1-4), web URL pages will not be shown in the Composite output interface.

To set the decoding mode:

1. From the main menu, type "7" for **Decoding Mode**.

Gen Telnet 172.16.111.41		
**************************************	****** * *****	•
Decoding Mode		
Hostname: BR-DE800	-	
Available Options:		
1. Standard 2. Low Latency 0. Return to previous menu		
Enter choice:		
		-

Figure 4-7: The Decodeing Mode window

- 2. Select the required decoding mode:
 - **Standard** A buffer is allocated for decoding.
 - **Low Latency** smaller buffer size is allocated for the decoding. The decoding will start sooner.

CHAPTER 5

General Management

In This Chapter

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Viewing, Restoring Settings, and Restarting the Unit

Invoke Telnet client and connect to the unit.

To view system settings:

1. From the main menu, type **"8"** for **View system settings**.

Cas Telnet 172.16.111.41	- 🗆 <mark>- X -</mark>
Network Settings	^
DHCP Enable	=
Video Settings	
Output Resolution[1920x1080i @ 59.94]	
Decoding Settings	
Decoder mode[Standard]	
Version Info	
Software version	
Press any key to continue	-

Figure 5-1: The Network Settings window

The system settings page shows the IP Input, Network Settings and Video Settings currently configured.



To restore default settings:

- 1. From the main menu, type "9" for **Restore default settings**.
- Type "y" when prompted. The unit will restore default network settings, output resolution settings, and password settings. The login is changed back to "admin". First password is changed to "admin", and the second password is changed to "jvc1234".

Telnet 172.16.111.41	
**************************************	^
Restore Default Settings	
Hostname: BR-DE800	
Restoring default settings will reset all settings and delete all saved configurations. Are you sure you want to restore default settings? [Y/N]	

Figure 5-2: The Restore Default Settings window

To view the decoder's status:

1. From the main menu, type **"B"** for **Decoder status.**

Telnet 172	.16.105.172	X

	Decoder status	
-	Hostname: BR-DE800	
Status: Dec	oding video	
Press any k	ey to continue	
-		-
•	III	► _i

Figure 5-3: The Decoder Status window



To restart the unit:

1. From the main menu, type **"C"** for restarting the unit.

. Telnet 172.16	5.111.41	
	**************************************	*
	Restart	=
	++ Hostname: BR-DE800	
Do you want	to restart ProHD BR-DE800 now ? [Y/N]	
		Ŧ

Figure 5-4: The Restart window

2. Type **"y"** when prompted. The unit will reboot.



Upgrading the Firmware

The following two options are available for upgrading decoder's firmware:

- Through the web user interface
- Using Windows-based utility.

To upgrade the firmware using the Web user interface:

- 1. Invoke Telnet client and connect to the unit.
- 2. From the main menu, type **"A"** for system upgrade.

Telnet 172.16.	111.41	
	**************************************	*
	l Upgrade I	E
	++ Hostname: BR-DE800	
Upgrading th	e unit will reset all settings. Proceed with Upgrade? [Y/N]	•

Figure 5-5: The Upgrade window

- 3. When prompted, type "y".
- 4. Enter the HTTP URL of the server containing the upgrade file, and follow the instructions on the screen.



To upgrade the firmware using the utility:

- 1. Obtain the BR-DE800-<version #>.upd update file from JVC website.
- 2. Open the update utility provided on the BR-DE800 installation CD or download it from JVC website. The **BR-DE800 Update Utility** window opens:

BR-DE800 Update	Jtility 2.5.0 🗕 🗖 🔀
ProHD BR-DE	800 Update Utility
Decoder IP Address:	
Password:	
Update File:	-
Apply	Cancel

Figure 5-6: The ProHD BR-DE800 Update Utility window

- 3. Enter the decoder **IP Address** and **Password**.
- 4. Browse for the *BR-DE800-<version* #*>.upd* update file and click **Apply.** The following warning window appears:



5. Click OK.



6. When upgrade completes, The Update Utility window disappears and the following window appears:



- 7. Click **OK**.
- 8. Re-connect to the device as described on Initial Connection and Setup (on page 7).

Resetting the Unit

To reset the unit:

1. Open the reset utility provided on the BR-DE800 installation CD or download it from JVC website. The **BR-DE800 Reset Utility** window opens:

P1210	BR-DE800	Reset Util	ity 2.5.2	1.500	
ProHD	BR-DE	300 Re:	set Utili	ity	
This utility cle decoder applia	ars all saved s ance to factory	settings and / settings.	l resets the		
Instructions:					
1) Disable Wif 2) Set your co 1- IP 2- S 3) Connect co 4) Approve any sent to the	i connections mputer netwo Address ubnet Mask mputer directl firewall alert decoder	s on your co rk settings 192.168.1 255.255.2 y to decode to allow res	omputer to: .10 55.0 er using a ne set comman	etwork d to be	cable e
		RESET			

Figure 5-7: The BR-DE800 Reset Utility



- 2. Read and follow the instructions on the screen.
- 3. Click **RESET.**

ProHD	
?	You are about to reset the decoder to its factory settings. All saved settings will be erased. Upon completion of the reset process unit IP and password will be set to the defaults detailed in the user manual. During the process the unit may restart. Please wait until the unit displays the default information screen that signals the reset is complete. Do you wish to continue ?
	OK Cancel

- 4. The reset process will take a few minutes.
- 5. When reset completes, the following window appears:



- 6. Click **OK**.
- 7. Re-connect to the unit. Refer to Initial Connection and Setup (on page 7).





NOTE:

If you fail to follow the instructions on the screen an error message will appear. For example: IP address that was not set as instructed to 192.168.1.10.

6	Your IP address is	different from 192.168.	1.10
•	Please change you	ur network settings and	try again
			ОК

Setting ZiXi License

To set the ZiXi license:

- 1. Invoke Telnet client and connect to the unit.
- 2. Obtain the ZiXi license file from JVC.
- 3. From the main menu, type **"D"** for **Zixi License**.

Telnet 172.16.111.41	
**************************************	^
Zixi License	
Hostname: BR-DE800	
Enter 0 to abort and return to the previous menu Please enter Zixi license for Decoder ID 3A1B11:	-

Figure 5-9: The Zixi License window



4. Enter the obtained ZiXi license info.



NOTE:

This license allows you to use the ZiXi protocol for point-to-point streaming without a ZiXi Broadcaster.

Warranty

Limited Hardware Warranty Terms

Subject to the terms and conditions specified below your ProHD product (the **"Product"**) is warranted against defects in material and workmanship (the "Warranty") for a period of 12 (twelve) months following the Delivery Date (the **"Warranty Period"**). The Warranty provided to you hereunder supersedes any warranty which may be provided to you by the original manufacturer of the Product.

Vitec Video Innovations (collectively "**company**") will repair or replace (at its option) any defective part during the Warranty Period, provided that (i) the Warranty remain in force. Your dated sales receipt or invoice shall be considered as the delivery date of the Product from Company's premises to your designated address (the "**Delivery Date**"); (ii) your Product unit carries a serial number on its rear panel; (iii) you received from company's Customer Service department a Return Materials Authorization (RMA) number. No Product unit will be accepted for repair without RMA number; and (iv) the entire Product unit is returned to the company by prepaid shipping in the company's original packaging.

Company will not be responsible for (i) any damages resulting from the use, maintenance or installation of any Product; or (ii) for the incorporation of any spare or replacement parts not approved by the company.

Without limiting the generality of the foregoing, The company reserves the right to refuse to provide any services under the Warranty for any Product that, in the company opinion, has been subjected to any abnormal electrical, mechanical, or environmental abuse, or shows signs of modification by an unauthorized person or company. Call your local distributor or reseller for out-of-warranty repair charge estimates prior to returning a product.

You acknowledge that the product licensed or sold hereunder, which may include technology and software, are subject to the export control laws and regulations of the United States ("U.S.") and/or any other country in which the product is received. You agree that you will not knowingly transfer, divert, export or re-export, directly or indirectly, the product, including the software, the software source code, or technical data (as defined by the U.S. Export Administration Regulations) restricted by such regulations or by other applicable national regulations to any person, firm, entity country or destination to which such transfer, diversion, export or re-export is restricted or prohibited



by U.S. or other applicable law, without obtaining prior authorization from the U.S. Department of Commerce and other competent government authorities to the extent required by those laws.

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