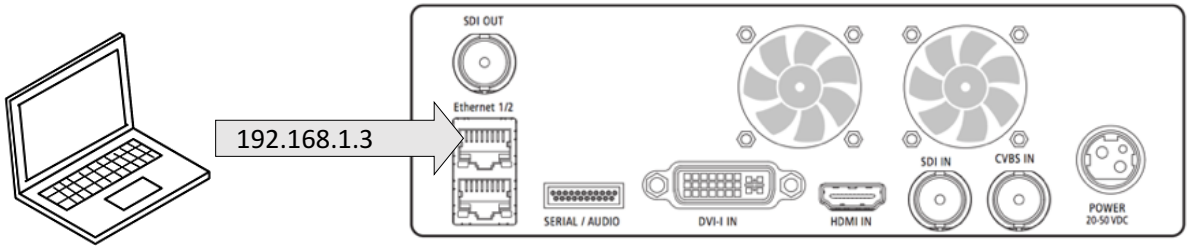
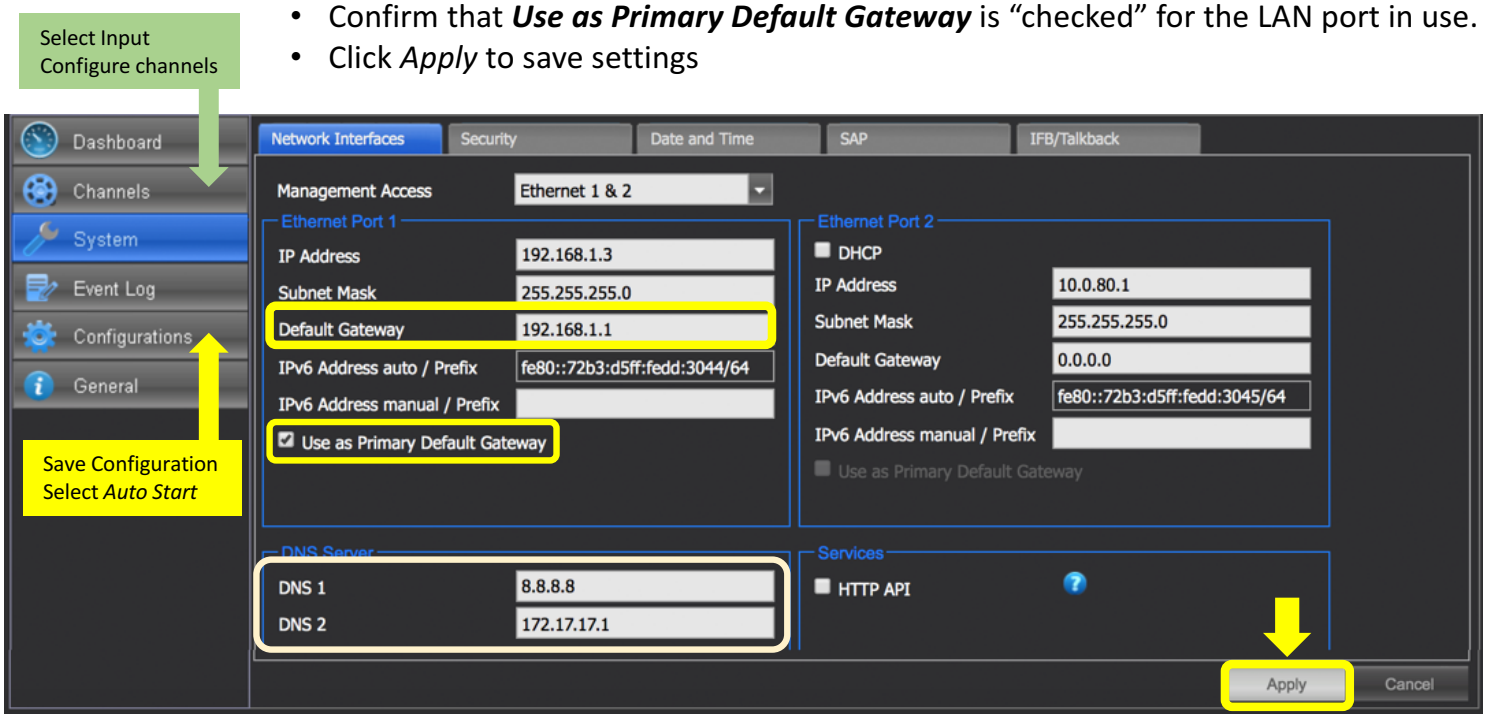
The BR-EN900 Quick Setup Guide

- Set PC IP address to 192.168.1.xxx
- Connect to the Ethernet 1 port
- Enter **192.168.1.3** in the browser
- Default password – *jvc1234*



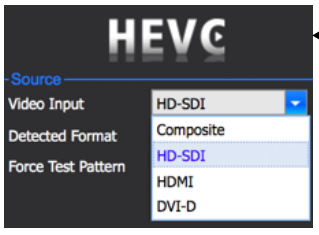
- Configure *IP address*, ***Default Gateway*** and *DNS* servers
- Confirm that ***Use as Primary Default Gateway*** is "checked" for the LAN port in use.
- Click *Apply* to save settings



The BR-EN900 features two encoding channels – HEVC and H.264, each with a separate IP destination. **Input** must be selected in the HEVC channel settings, the H.264 channel will follow HEVC selection.

Both channels encode video from the same input but can stream to different destinations / IP addresses.

SDI
HDMI
DVI-D



HEVC

- UDP TS
- RTP TS
- Pro-MPEG (RTP+SMPTE2022 FEC)
- Zixi

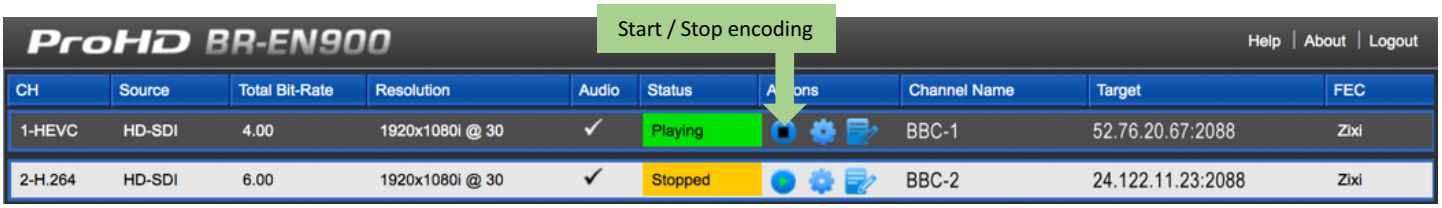
H.264

- RTP ES (RTSP pull)
- UDP TS
- RTP TS
- Pro-MPEG (RTP+SMPTE2022 FEC)
- Zixi
- RTMP (CDN)

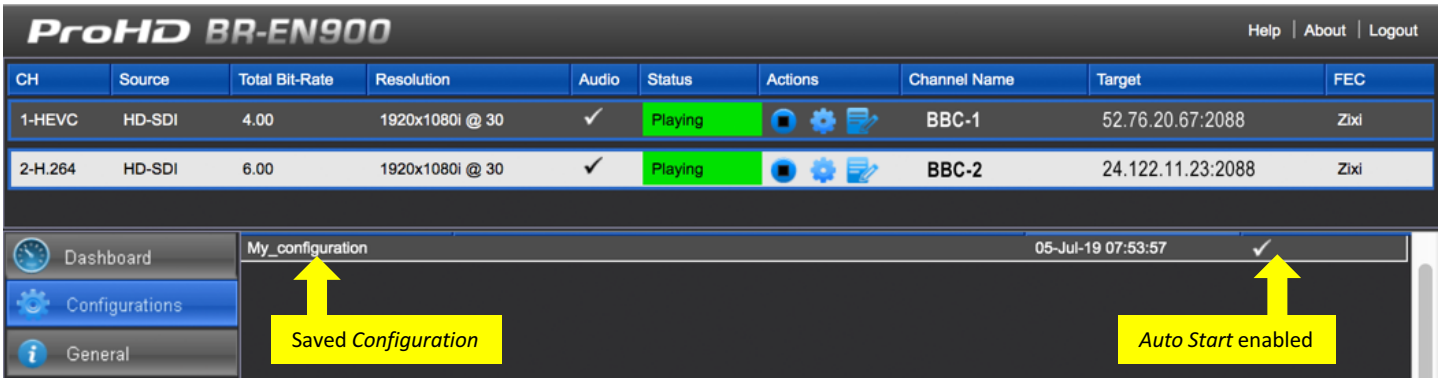
Protocols:

Remember to click ***Apply*** after any change.
Save existing configuration and select *Auto Start* to apply all settings after power OFF/ON

The BR-EN900 encoding (HEVC and H.264) Start/Stop is controlled in the *Actions* section of the GUI.

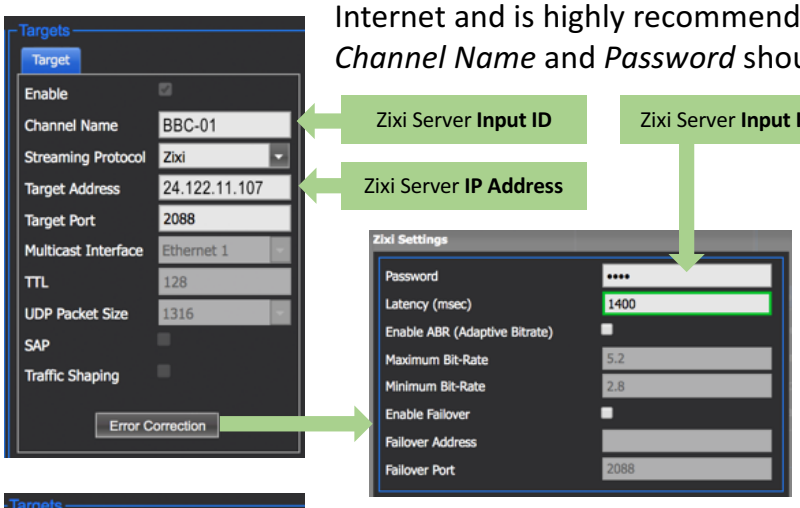


In order to make any changes to encoding parameters, each channel must be stopped and restarted after changes are applied. To automatically start encoding upon power ON, save *Configuration* and enable the *Auto Start*. *Configuration* captures the current status of the encoder with all associated settings, so channels must be running prior to saving the *Configuration*.



Streaming to Zixi Server.

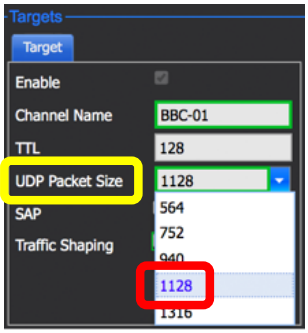
Zixi streaming protocol features the most resilient video transport over the Internet and is highly recommended for sending live video over WANs.
Channel Name and *Password* should match the Zixi server settings.



Latency value affects the efficiency of error correction and should be selected based on the quality of the Internet connection.

FEC – Forward Error Correction
ARQ – Automatic Repeat Request

Preset Latency (ms)	Error Correction	Overhead
100 – 1,499	FEC + ARQ	up to 30%
1,500 - 8,000	ARQ only	5%



UDP Packet Size consideration:
Each data transfer protocol encapsulation increases the packet size.
When packet size exceeds the MTU, it will be fragmented.
Some ISPs reject fragmented packets due to security concerns.
Rejected packets = lost packets, video may become corrupted.
When using Zixi or Pro-MPEG protocols, streaming via Bonded LTE (or other VPN) it is recommended to reduce the *UDP Packet Size* to 1128.

Full version of *User Manual* is located in the *Help* section or at pro.jvc.com