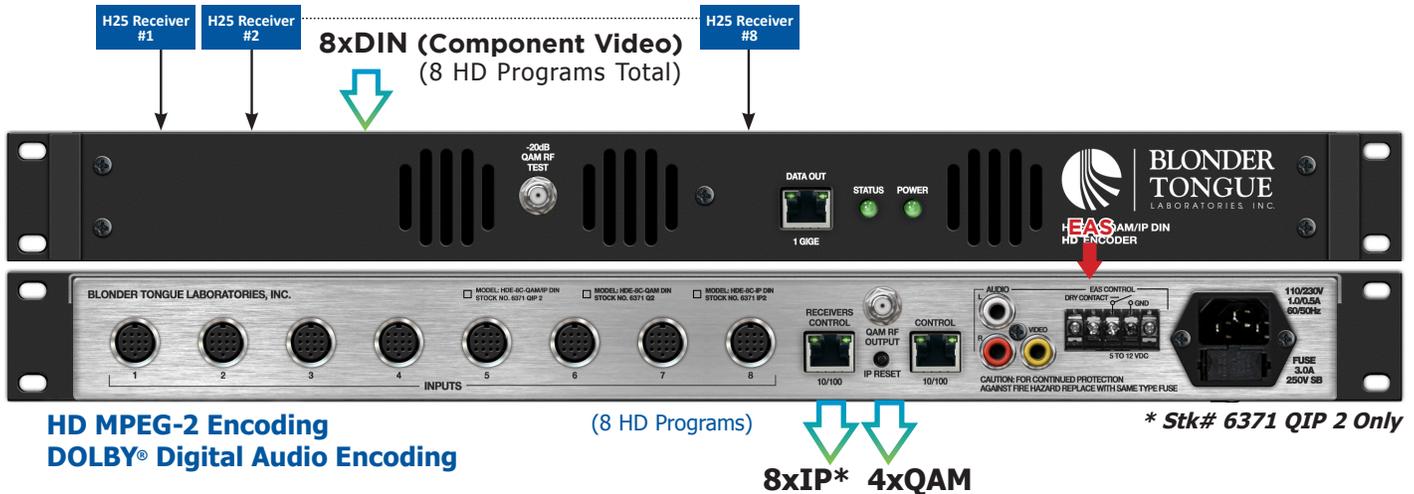
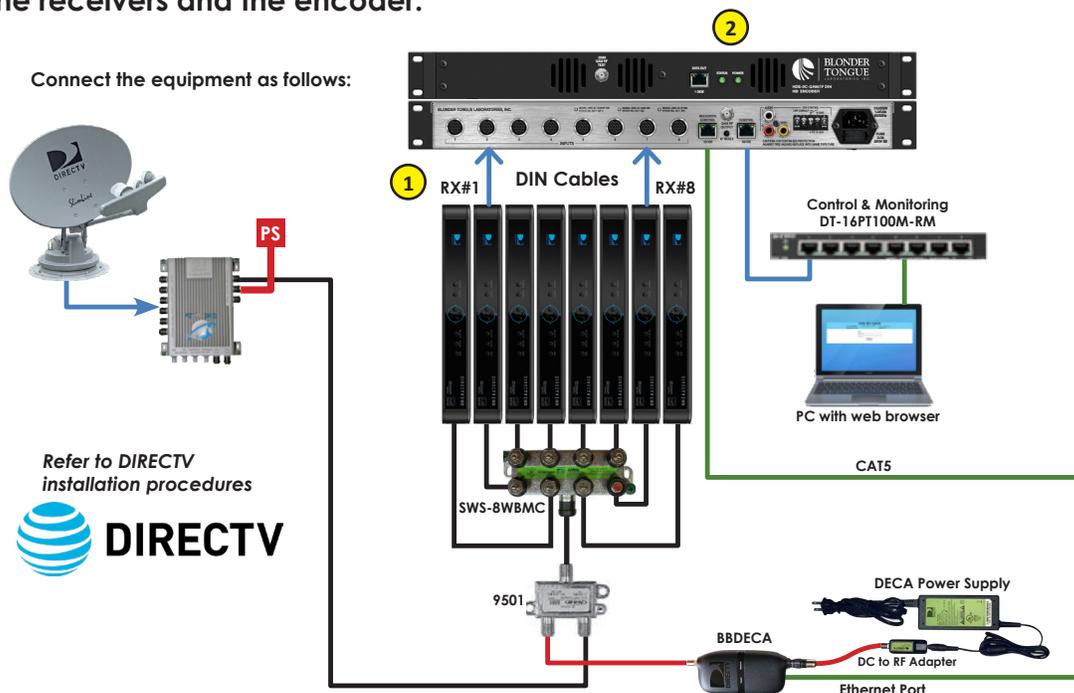


HDE-8C DIN SERIES w/Opt 2 QUICK GUIDE

STEP 1 - Connect the Inputs



- Locate the blank receiver labels in the plastic bag supplied with the encoder. Number each label with UNIT numbers 1 through 8.
- Find the receiver ID number label on the first receiver. Write the last 4 digits of the ID on label #1 (RX1_####_) and place on the front of the receiver.
- Repeat for all 8 satellite receivers.
 - 1 Now connect each receiver output with DIN cables (Stk#3703) to the encoder inputs, making sure that receiver #1 (RX#1) is connected to #1 component input on the encoder. Repeat this process for remaining receivers.
 - 2 Connect the 8 satellite receivers and the BBDECA as shown below.
- Power up the receivers and the encoder.



STEP 2 - Login

- Log in to the HDE-8C DIN Series encoder, using a standard web browser.
- This can be done through the Control 10/100 port, next to the Receiver Control port. Either go directly from a computer or through an Ethernet switch
- Assign **172.16.70.2** as the static address for your computer
- Now open your browser and enter **172.16.70.1** to access the HDE-8C DIN Series encoder
- The Username is “Admin” and the password is “pass” (case-sensitive)

ESN: 2013100499 Temperature: 87.5°F Uptime: 33d 2h 44m 31s
Headend Name: Mode: DIRECTV Location:

Login

Username: Admin

Password: ****

Submit

STEP 3 - Assigning Receivers

Allow several minutes for the receivers to be discovered and assigned IP addresses

- 1 From the Main > Input Config Tab of the Web Pages, assign RX#1 to Input #1, RX#2 to Input #2, etc.
- 2 TV Zone: For use with BaR Game Changer application. Customize zone names that appear on WiFi remote device.
- 3 Program Name: For use with BaR Game Changer application. Field can be left blank and will be automatically populated by BaR app once receivers have been tuned remotely.
- 4 Click “SAVE” at the bottom to apply changes.

ESN: 2013110649 Temperature: 89.3°F Uptime: 0d 1h 1m 49s
Headend Name: OnRack6 Mode: DIRECTV Location: BT_Rack

Main Network Time Event Log Update Admin Logout

Status Input Config Setup Control Encoder Output Refresh

Input #	Input Device	Input Name	TV Zone	Program Name
1	037613250879		Bar Left 1	AandE
2	037611493943		Bar Right 2	ABC Family
3	037634254496		Bar Center 3	AMC
4	037632506657		Front of House	AUDIENCE
5	036861755274		Back of House	AXS TV
6	037636055115		Outside 6	Al Jazeera Am
7	037636162697		Tabletop 7	American Hero
8	Other Device		No Input	Not Available

Save

STEP 4 - TS Configuration

Go to the Main > Output > TS Config Tab

- 1 Verify the Multiplexed MPTS Output default settings are suitable for your application
 - TS bitrate = QAM Modulator
 - Modulation Mode = QAM 256
 - Out of band = disabled
- 2 Verify the Output Mapping Section.
 - Input for each TS must be different.
 - Every PID and Program Number must be different.
 - Short Name should be a descriptive name of the program, as it will be shown on the television (max 7 alphanumeric characters)
 - Major and Minor Channel numbers are what the TV will display as the channel.
- 3 Click "SAVE" at the bottom to apply changes.

TS ID	TS Bitrate	Modulation Mode	Out of Band	ASI Output
TS1	1	QAM Modulator	QAM256	Disabled
TS2	2	QAM Modulator	QAM256	Disabled
TS3	3	QAM Modulator	QAM256	Disabled
TS4	4	QAM Modulator	QAM256	Disabled

Input	PID	Program Number	Short Name	Major Channel	Minor Channel
Input1	04	1		3	1
Video	05				
Audio	06				
Input2	80	2		3	2
Video	81				
Audio	82				
Input3	96	1		3	3
Video	97				
Audio	98				
Input4	112	2		3	4
Video	113				
Audio	114				
Input5	128	1		3	5
Video	129				
Audio	130				
Input6	144	2		3	6
Video	145				
Audio	146				
Input7	160	1		3	7
Video	161				
Audio	162				

STEP 5 - Configure IP Output*

Go to the Main > Output > IP Tab

- 1 Assign the Destination IP, Encapsulation protocol, Destination and Source Ports for each transport stream.
- 2 Verify the Stuffing is set to "Disabled" and the Output is "Enabled"
- 3 Click "SAVE" to apply the settings.

	Destination IP	Encapsulation	Destination Port	Source Port	Time to Live	Stuffing	Output Enable
TS 1 P1 SPTS	239.10.10.10	UDP	50000	50000	128	Disabled	Enabled
TS 1 P2 SPTS	239.10.10.10	UDP	50001	50001	128	Disabled	Enabled
TS 2 P1 SPTS	239.10.10.10	UDP	50002	50002	128	Disabled	Enabled
TS 2 P2 SPTS	239.10.10.10	UDP	50003	50003	128	Disabled	Enabled
TS 3 P1 SPTS	239.10.10.10	UDP	50004	50004	128	Disabled	Enabled
TS 3 P2 SPTS	239.10.10.10	UDP	50005	50005	128	Disabled	Enabled
TS 4 P1 SPTS	239.10.10.10	UDP	50006	50006	128	Disabled	Enabled
TS 4 P2 SPTS	239.10.10.10	UDP	50007	50007	128	Disabled	Enabled

NOTE: The IP Output Tab is only available on the HDE-8C-QAM/IP DIN model.

STEP 6 - Configure QAM Output

Setup the QAM output channels by going to the *Main > Output > QAM tab*

- 1 Select the channel for the 1st QAM. The next 3 will be automatically assigned.
- 2 Ensure all outputs are on and CW mode is not enabled.
- 3 Click "SAVE" to apply changes.

The screenshot shows the 'QAM Parameters' configuration page. The page has a navigation bar at the top with tabs for 'Main', 'Network', 'Time', 'Event Log', 'Update', 'Admin', and 'Logout'. Below this is a sub-navigation bar with 'Status', 'Input Config', 'Setup Inputs', 'Encoder', and 'Output'. The 'Output' tab is selected, and the 'QAM' sub-tab is active. The 'QAM Parameters' section contains the following fields:

QAM Parameters				
Output Channel/Frequency	50 / 381MHz	51 / 387MHz	52 / 393MHz	53 / 399MHz
Output Control	On	On	On	On
CW Control	<input type="checkbox"/> Enable CW for QAM Module			
Output Level	40 dBmV			
Output QAM Mode	256B			
Output QAM Map	STD			
Output QAM Data Rate	5.3605 Mbaud			
Output QAM Interleaver	128-1			
Output QAM Alpha	12%			
QAM Lock State	Lock			

At the bottom of the configuration area, there is a 'Save' button.

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Firmware Updates are available under "Tech Support" in the "Resources" section of the website. General instructions for the FTP site, as well as updating your firmware, are provided on this page.