

DSR-7401 INSTALLATION INSTRUCTIONS



The following instructions are for installation of a DSR-7401 SD IRD to receive STARZ, STARZ ENCORE, and MOVIEPLEX services from Galaxy 37 C-Band and Galaxy 33 C-Band transponders.

The DSR-7401 SD IRD is designed for simple setup requiring only one (1) menu screen in the user interface, with all other configurations completed by the satellite broadcast control system, upon authorization. Follow the six (6) high-level steps below to setup your receiver and acquire the desired signal(s).

Steps

1. Rack mount the unit.
2. Connect four RF satellite inputs.
3. Connect ASI output(s).
4. Connect AC power.
5. Enter frequency and modulation parameters in the Quick Install menu, to gain Signal lock.
6. Contact STARZ at 888.783.2275 for installation support and authorization.

Information is also provided on how to order a spare DSR-7401 unit to backup your production receiver.

The DSR-7401 user manual can be downloaded through the unit's web interface using a PC connection for additional operating instructions.

1. Rack Mount the DSR-7401

The DSR-7401 SD IRD unit, with the supplied mounting brackets is designed for installation in an EIA standard 19-inch (480 mm) equipment rack. Place the unit in a stable and level position within the rack and ensure that all front rack-ear mounting screws are fully tightened, to support the unit with no possible motion as connections are made and initial programming occurs.

2. Create RF Connections

Connect RF input signals according to the services you will be receiving. The DSR-7401 SD IRD includes 4 separate tuners allowing you to simultaneously receive feeds from multiple satellite transponders if required.

Port 1	Port 2	Port 3	Port 4
Galaxy 37 Vertical	Not Connected	Galaxy 33 Vertical	Not Connected

The picture below shows the required connections for all feeds.



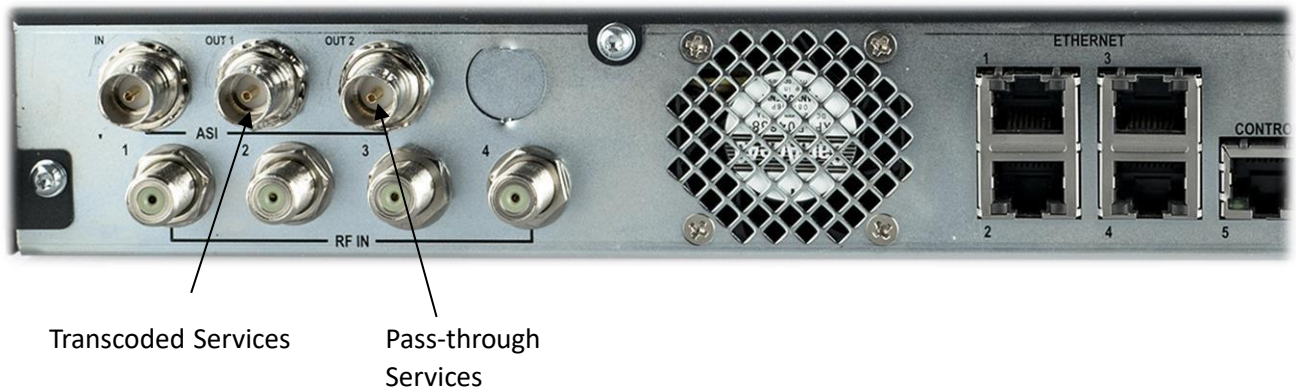
Galaxy 37 Vertical

3. Create Output Connections

For ASI output, use ASI OUT 1 and ASI OUT 2 to carry MPEG-2 SD transcoded video services and Passthrough video services.

ASI OUT 1: Is the “Transcoded” port that will output MPEG2 SD video services.

ASI OUT 2: Is the “Pass-through” port that will output HEVC services without transcoding or other processing.



Note: If using the IP output please refer to page 41 of the user manual, for detailed instructions.

4. Connect to AC power

When connected to AC power the unit takes about 90 seconds to boot up.

When the unit has fully booted the main menu will appear.



DSR-7401 Front Panel Control Buttons



5. Manually Tune, to gain Signal lock

Select Quick Install from the Main Menu by pressing the OK button with Quick Install highlighted.

The following information will be presented.

The first 2 lines are read only and show the Unit Addresses for your receiver. Write down these addresses for use in the next step: 6. Authorization.

Lines 3 and 4 are used to configure your receiver to acquire the appropriate satellite signal.

East Feed Configuration

QUICK INSTALL		
UA 1	000-11420-01681	
UA 2	000-11420-01682	
RF PORT 1	1110.0	17
DVBS2	32.500	
Enter OK to select		

Set and verify the following fields, also shown in the picture above. Input Port – RF Port 1
Transponder – 17 for Galaxy 37
Frequency should automatically display: 1110.00 (Galaxy 37 T-17)
Modulation Mode – DVBS2 (default)
Symbol Rate – 32.50 (default)

West Feed Configuration

QUICK INSTALL		
UA 1	000-11420-01681	
UA 2	000-11420-01682	
RF PORT 3	1050.0	20
DVBS2	32.500	
Enter OK to select		

Set and verify the following fields, also shown in the picture above. Input Port – RF Port 3
Transponder – 20 for Galaxy 33
Frequency should automatically display: 1050.00 (Galaxy 33 T-20)
Modulation Mode – DVBS2 (default)
Symbol Rate – 32.50 (default)

Signal Acquisition

In a moment the Signal light will turn green indicating that the satellite signal has been acquired. If you are unable to acquire a signal call Commscope Technical Support at 888.944.4357 for assistance.



6. Authorization

Once the unit has acquired the signal on Galaxy 37 transponder 17, or Galaxy 33 transponder 20 (for west only receivers), it is ready to be authorized using the 2 Unit Addresses UA1 and UA2 obtained from the Quick Install menu.

UA 1: _____ UA 2: _____

Contact STARZ Affiliate Support at 888.783.2275 to verify your installation and to request unit authorization.

When the unit receives the authorization message, the Authorized light will turn green.



7. Connection to Headend Network

Once authorization is complete your DSR-7401 SD IRD will be remotely configured by uplink messaging for all desired services and can be connected to the head end distribution network.

The output program numbers for the Transcoded MPEG-2 SD (ASI 1) and Pass-through HEVC (ASI 2) services are shown in the table below.

Processor	Type	Output MPEG Program	ASI Output
1	Transcoded MPEG-2 SD	101	1
	Pass-through HEVC	1	2
2	Transcoded MPEG-2 SD	102	1
	Pass-through HEVC	2	2
3	Transcoded MPEG-2 SD	103	1
	Pass-through HEVC	3	2
4	Transcoded MPEG-2 SD	104	1
	Pass-through HEVC	4	2
5	Transcoded MPEG-2 SD	105	1
	Pass-through HEVC	5	2
6	Transcoded MPEG-2 SD	106	1
	Pass-through HEVC	6	2
7	Transcoded MPEG-2 SD	107	1
	Pass-through HEVC	7	2
8	Transcoded MPEG-2 SD	108	1
	Pass-through HEVC	8	2
9	Transcoded MPEG-2 SD	109	1
	Pass-through HEVC	9	2
10	Transcoded MPEG-2 SD	110	1
	Pass-through HEVC	10	2
11	Transcoded MPEG-2 SD	111	1
	Pass-through HEVC	11	2
12	Transcoded MPEG-2 SD	112	1
	Pass-through HEVC	12	2

Don't Forget Your Backup

With the transition of the STARZ, STARZ ENCORE, and MOVIEPLEX services to HEVC only distribution it's important to consider your backup options. Any of these receivers you have been using to receive services in MPEG-4 HD will no longer be functional as either primary or backup units for the MPEG-4 HD services. The only viable receivers to use as shelf-spares for backing up the MPEG-4 HD services are the DSR-7403 (3 services) or DSR-7406 (6 services) transcoders.

Commscope's distributors have available inventory of both the DSR-7403 and DSR-7406 transcoders. You are encouraged to contact one of the distributors listed below to purchase a shelf-spare to guarantee sustained and uninterrupted delivery of the STARZ, STARZ ENCORE, and MOVIEPLEX services to your subscriber base.

Commscope authorized distributors:

Advanced Media Technologies

3150 SW 15TH Street
Deerfield Beach, FL 33442
Phone: 888.293.5856
Fax: 954.427.9688
Contacts: Ken Augustine and Neil Baruch

TVC Communications

10814 W. 78th St.
Shawnee, KS 66214
Phone: 800.932.1555
Fax: 913-962-1806
Contact: Brent Scott