



Operations

ESPN Pay-Per-View is available to affiliates on Galaxy 18 (formerly G-10R), Transponder 21. It is important to note that ESPN PPV packages, including ESPN GamePlan, are no longer available on HITS. By licensing PPV directly from ESPN, affiliates will enjoy the benefits of remote blackout implementation (we'll handle them from Bristol) so long as you have the appropriate decoder (**Motorola DSR-4400MD part number 475091-001 or -002. The 475091 variant of the 4400MD may easily be recognized by the presence of both ASI IN and ASI OUT, DHEI IN and DHEI out connectors on the rear panel of the unit.**). In addition, ESPN PPV will consist of six (6) digital channels. Below please find more detailed technical information:

ESPN Pay-Per-View Quick Reference Guide

Satellite: G18 Transponder: 21, Vertical (downlink)

C-band frequency: 4120 MHz L-band frequency: 1030 MHz

Transponder Name: ESPN-PPV

Symbol Rate: 29.3 Msps Forward Error Correction: 3/4 Combined I/Q multiplex

Virtual Channel Table ID: 639

Channel	MPEG #	ACP #	Content	Video PID	Audio1 PID
501	11	1	PPV-1	16	17
502	12	2	PPV-2	80	81
503	13	3	PPV-3	144	145
504	14	4	PPV-4	208	209
505	15	5	PPV-5	336	337
506	16	6	PPV-6	400	401

4400 MD DHEI Rate: 26.97 (for 64 QAM systems)

The multiplex will be configured for 6 statistically multiplexed services with a maximum aggregate bit rate not to exceed 26.97 Mbps in order to be compatible with 64 QAM cable channels.

Chroma Format: 4:2:0

Stat Mux Member Max Bandwidth: 6.0 Mbps

Stat Mux Member Min Bandwidth: 1.2 Mbps

Stat Mux Bandwidth: 24.4 Mbps (approximate)

VBI Data: CC L21 F1/F2

Audio configuration: Stereo (Dolby AC-3 @ 128 Kbps)

Language: English

Dialog Normalization: -25 (suggested starting point until we can use Dolby analyzer to determine best value)

Dynamic Range: Film Standard

4400MD Installation Notes:

ACP Setup Mode: Manual

Set ACP 1 to PGM 00011

Set ACP 2 to PGM 00012

Set ACP 3 to PGM 00013

Set ACP 4 to PGM 00014

Set ACP 5 to PGM 00015

Set ACP 6 to PGM 00016

Set all other ACPs to PGM 00000 – This will ensure the DHEI output will not overflow using the 26.97 Mbps data rate.

Blackouts

Games within ESPN GamePlan may be subject to blackouts. ESPN will implement blackouts remotely from Bristol for those affiliates that use a Motorola 4400MD decoder.