

**Overview: HBO has made all 26 feeds of HBO and Cinemax available in MPEG-4 HD.**

**Technical summary: MPEG-4 Encoding Solution**

a. HBO has selected Motorola as our provider of an integrated transmission solution to provide the MPEG-4 AVC system to encode, encrypt, multiplex, modulate as well as to receive and decrypt the HDTV feeds.

b. HBO has launched all 26 of our feeds in MPEG-4 HD. The feeds are located on three transponders across Galaxy 14 @ 125 W.L. and Galaxy 15 @ 133 W.L. The transmission parameters/IRD settings and program VCT and channel information for the MPEG-4 HD feeds are detailed on charts which are currently available on the HBO B2B site. These documents are available to all affiliates on the HBO B2B site, [www.homeboxoffice.com](http://www.homeboxoffice.com), via the "Technology Operations" link.

c. HBO affiliates that require an MPEG-2 program stream for their set-top boxes will be able to deliver an MPEG-2 version of an MPEG-4 HD feed by using the new single-decrypt transcoding Integrated Receiver Decoder (IRD), the Motorola DSR-6050. This new transcoding IRD supplies an MPEG-2 ASI or GbitE output at approximately 15 Mbps. The DSR-6050 can also supply an MPEG-4 output of the decrypted program stream at approximately 7 to 9 Mbps per program stream.

d. HBO affiliates that require an MPEG-4 signal format for their set-top boxes can use the new Motorola DSR-4410MD multi-decrypt MPEG-4-compatible IRD, which offers both ASI and GbitE outputs.

e. For details regarding the purchase of these new decoder models, please contact Motorola. Both products are currently available as follows:

DSR-4410MD - Multi-decrypt, MPEG-4 output only

DSR-6050 - Single-decrypt, MPEG-2 output (also includes MPEG-4 TS output)

These decoders can also be purchased from an authorized Motorola distributor including the following:

Advanced Media Technologies (AMT): <http://www.amt.com>, 888-293-5856 or 954-427-5711, [sales@amt.com](mailto:sales@amt.com)

Satellite Engineering Group (SEG): <http://www.sateng.com>, 800-932-1555 or 913-324-6000, [sales@sateng.com](mailto:sales@sateng.com)

**HBO/MAX MPEG-2 digital feeds will continue to be available:**

The MPEG-4 HD feeds are incremental to HBO's MPEG-2 offering. HBO currently plans to continue to provide the MPEG-2 HD feeds of HBO (East and West) and Cinemax (East and West), and we also plan to continue to provide all 26 SD feeds in MPEG-2.

If you have any questions or need any additional information please feel free to contact the HBO Hotline at 212-512-5666, 8:00a.m. – 10:00p.m. Monday through Friday, or e-mail us at [hotline@hbo.com](mailto:hotline@hbo.com).

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