

IRD Quick Install Guide

Instructions for the HBO/Cinemax Networks Using Motorola/GI DSR-series Digicipher® II Commercial Receiver/Decoder

Motorola Customer Technical Hotline: (888) 944-4357

HBO and Cinemax MPEG-2 Digital Transponders
















Program	Satellite	Transponder/ L-Band Frequency ¹	Polarity	Virtual Channel Table (VCT) Number	Virtual Channel
HBO E	G15	23 (990)	H	205	101
HBO 2 E	G15	23 (990)	H	205	102
HBO Signature E	G15	23 (990)	H	205	103
HBO Family E	G15	23 (990)	H	205	104
HBO Latino E	G15	23 (990)	H	205	107
Cinemax E	G15	23 (990)	H	205	121
MoreMAX E	G15	23 (990)	H	205	122
ActionMAX E	G15	23 (990)	H	205	123
HBO W	G15	23 (990)	H	205	111
HBO 2 W	G15	23 (990)	H	205	112
HBO Signature W	G15	23 (990)	H	205	113
HBO Family W	G15	23 (990)	H	205	114
HBO Latino W	G15	23 (990)	H	205	117
MAX W	G15	23 (990)	H	205	131
MoreMAX W	G15	23 (990)	H	205	132
ActionMAX W	G15	23 (990)	H	205	133
HBO Comedy E	G15	18 (1090)	V	206	105
HBO Zone E	G15	18 (1090)	V	206	106
ThrillerMAX E	G15	18 (1090)	V	206	124
WMAX E	G15	18 (1090)	V	206	115
@MAX E	G15	18(1090)	V	206	116
5StarMAX E	G15	18(1090)	V	206	144
OuterMAX E	G15	18 (1090)	V	206	128
HBO Comedy W	G15	18 (1090)	V	206	118
HBO Zone W	G15	18 (1090)	V	206	119
ThrillerMAX W	G15	18 (1090)	V	206	134
HBO HDTV E	G13	10 (1250)	H	112	151
HBO Legacy E	G13	10 (1250)	H	112	108

¹ L Band frequencies assume an LNB with Local Oscillator of 5.150 MHz

HBO HDTV W	G13	10 (1250)	H	112	162
HBO Legacy W	G13	10 (1250)	H	112	118
Cinemax HDTV E ²	G13	11 (1230)	V	730	153
Cinemax HDTV W ³	G13	11 (1230)	V	730	164
HBO/Cinemax On Demand ⁴	G13	11 (1230)	V	730	171

What you should do . . .


Installation of the Digicipher II IRD involves a simple hook up and a manual tune to select the HBO network carrier. Follow these steps, but consult the DSR-xxxx Digicipher® II Commercial Receiver/Decoder Operator Guide for more information. Refer to the Operator Guide for the LCD panel menu layout.

1. Check the packaging for the power cords and accessories. Install the IRD in a 19-inch rack. Connect the power cord. Verify that at least one LED on the front panel is lit. Verify the LCD panel is lit. If not, press any front panel keys (    **E**) to light it.
2. Connect the vertical polarity L-band coax to Port 0 on the rear panel and the horizontal polarity L-band coax to port 1. Use DC blocks where appropriate to prevent another IRD's LNB power output from shutting down the IRD.
3. Configure L-band input Port 1 first, when an MPEG2 carrier is present. From the "Language" menu (appears first time only):
 - a. Press  once and the Installation group menu appears. Press **E** to enter the Manual Tune menu.
 - b. Verify that the Port 1 LED on the front panel is lit. If not, Press  to move to the Port field. Press **E** and use  to select port "1", press **E** to make the selection effective and return to the top line of the menu.
 - c. Verify that the Type is "C-band." If not, press  to move to the Type field, press **E**, use  or  to select. Press **E** to make the selection effective and return to top line of the menu.
 - d. Press  to move to the "Xpndr" field. Refer to the table, above. Press **E** and use the     to select appropriate number (23, 18, 11 or 10), and press **E** to make the selection effective and exit the lower line of the menu. At this point you should wait until the front panel screen "DigiCipher" LED comes on. This could take up to thirty or forty seconds.




















² Cinemax HDTV requires model DSR-4400MD Phase II Only, DSR-4520X, DSR-4410 or DSR-4410MD.

³ Cinemax HDTV requires model DSR-4400MD Phase II Only, DSR-4520X, DSR-4410 or DSR-4410MD.













⁴ HBO/Cinemax On Demand requires model DSR-4520X.

- e. Press the  to move to the Manual Tune field (upper line, left end); press **E** to exit the Manual Tune menu.
- f. Note that Step #3d causes the receiver to begin a search for the digital carrier. When new or after a reset, the receiver must try a long list of combinations and may require up to 10 minutes, although common combinations are typically 30 seconds. If the combination was not found in the first try, the receiver repeats the cycle until a carrier is found.

NOTE: If you are setting up the receiver without a carrier present on the L-band input, perform step #4 before Step #3; the receiver will remember the VCT and channel number when a carrier is present, and present the correct video when authorized. The receiver will give a warning message on the LCD that a channel on that transponder is not present if you do not install Port 0 before attempting to select that channel.

4. Select VCT number and virtual channel.
 - a. Press  or  until the Channel Selection group appears and press **E** to enter the CH_Select menu.
 - b. Press  to move to the VCT field. Press **E** and     to select appropriate VCT number.
 - c. Press  to move to the Chnl field. Refer to the Digital Transponder chart (on the first page of this document) to determine the desired program's virtual channel. Press **E** and use     to select the virtual channel, then press **E** to exit the lower menu line.
 - d. Press  and  to move to the CH_Select field (upper left corner) and press **E** to exit the CH_Select menu.
 - e. After determining the unit's address number (from the rear panel label), call the HBO Authorization Hotline at (212) 512-5666 for authorization. Verify that the Authorized LED on the front panel is lit. Connect a local monitor to verify video is correct.
5. Set up audio outputs and confirm the receiver is set for correct audio modes:
 - a. For HBO/Cinemax Multiplex Feeds, please follow these instructions. From the Channel Selection Menu, press  to return to Installation Menu group, and press **E** to enter. Press  eight times to enter the Audio1 menu. Verify the AudioMix is surround stereo. If not, press  to move to AudioMix, press **E** to enter, then  or  to select "Surr stereo". Verify AudioMix for Audio2 is "Surr Stereo". Caution menu may alert you to the need to select language(s). This is done in the next step.
 - b.

6. Set up Audio Languages

- a. Press  to move to the Channel Selection menu group and press **E** to enter. Press  twice to enter Language1 menu. Verify Left and Right are "eng" for English. Press  once to move to the Language 2 menu. Verify Left and Right are "spa" for Spanish.
- b. For Channel 241 or 242 users, move to the Left field, press **E** then use     to scroll to "hbo" before pressing **E** to exit the field. Press  to move to the Right field, press **E** , then use     to scroll to "max" before pressing **E** to exit the field. (Note: This is different from DigiCipher I. HBO en Español will be mono on Audio 1 (L1). Cinemax Selecciones will be mono on Audio 1 (R1).

To verify the correct setup, check your program guide to verify Spanish audio is available on the current program. If it is not, mono English will be transmitted.

7. Connect the video and audio outputs to your cable plant after confirming proper operation. The *Operator Guide* will show you how to configure the IRD. We recommend that you read it now. Should you need any assistance or encounter any difficulties, call the Motorola Technical Hotline at (888) 944-4357.