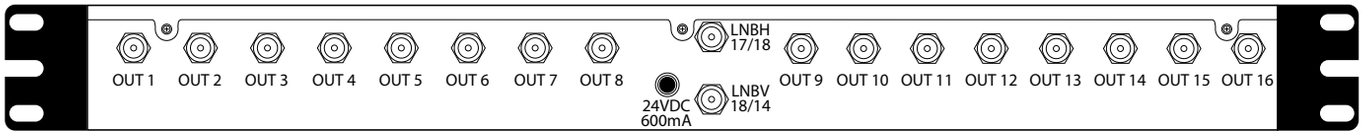
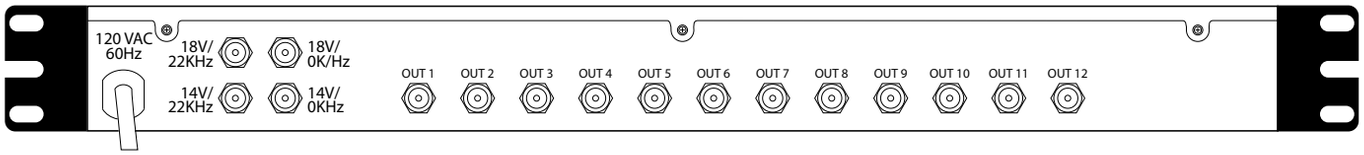
RACK-MOUNTED MULTI-SWITCHES

MODELS HMS-16APR : HMS-412 ARK

MODEL HMS-16APR



MODEL HMS-412ARK



FEATURES

- **Single Satellite Input** *(HMS-16APR)*
- **Multi-Satellite Input** *(HMS-412ARK)*
- **Low-Distortion Amplification**
- **Provides LNB Powering**
- **Generates 22 kHz Tone** *(HMS-412ARK)*
- **High Isolation**
- **High Reliability**

SINGLE SATELLITE SWITCH

The **HMS-16APR** is a rack-mounted multi-switch specifically designed for head-end applications. The switch generates the voltage required for powering a dual LNB (13 & 18 volts). Also provides amplification to help overcome the insertion loss of the 16 outputs.

MULTI-SATELLITE SWITCH

The **HMS-412ARK** is a 4 LNB input, 12 output multi-switch designed to provide solid state multi-sat switching for head-end systems. This unit provides 13 and 18 volts as well as 22 kHz tone to lock the LNBs on the required satellites.

RACK-MOUNTED MULTI-SWITCHES

SPECIFICATIONS

RF	HMS-16APR	HMS-412ARK
Input Frequency	950 - 2150 MHz	950 - 2150 MHz
LNB Power	13V, 18V	13V, 18V 13V + 22 kHz, 18V + 22 kHz
Insertion Loss (Max)	-4 dB 950-2150 MHz	3 dB Gain 950 - 2150 MHz
Isolation	25 dB	30 dB
Switching Voltage (Rx to Switch)	13/18VDC	13/18VDC, 0/22 kHz
CONNECTORS		
All Ports	F	F
GENERAL		
Power Requirements	24VDC, 600 mA Center + (AC to DC Transformer Included)	117VAC, 60 Hz, 26 W
Weight	6 lbs.	5 lbs.
Dimensions	19" x 1.75" x 3.5"	19" x 1.75" x 5.5"

NOTE: All specifications typical unless otherwise noted

SUB-BAND TO HIGH-BAND CONVERTER

MODEL SHC

- **Converts Sub-Band to High-Band**
- **Can be Used with Optional SBD (Sub-Band Diplexer)**
- **Works with HPH-860 & HDM-1**

MODEL SHC

SUB-BAND TO HIGH-BAND CONVERTER

The **SHC** converter is ideal for use in head-end and local origination applications in head-end applications to convert the incoming sub-band (T7 - T13) to VHF (7 - 13).

For local origination applications, the SHC can be used in offices, hospitals or any situation where sub-band can be utilized to allow a TV within the system to view channels not available to others. These converted sub-band channels can then be redistributed using standard processors and demodulators.

SPECIFICATIONS

RF	SHC
Input Channels	T7 - T13 (7 - 47 MHz)
Output Channels	7 - 13 (174 - 216 MHz) (T7 converts to Ch. 7, etc.)
Insertion Loss (Max)	-7 dB
Frequency Stability	±5 kHz
Input Level Range	5 - 30 dBmV
POWER SUPPLY	
Input Voltage	120VAC, 60 Hz
GENERAL	
Weight	1.5 lbs.
Dimensions	6" x 3" x 1.5"