

# DTV744

8VSB 4 CHANNEL DEMODULATOR



WEGENER®



## SPACE EFFICIENT HIGH DEFINITION PROCESSING

The WEGENER DTV744 allows cable operators to efficiently use rack space by processing four (4) 8VSB off-air television signals in a single rack unit. It makes local HD content readily available for insertion into digital cable plants and for advanced channel grooming by providing four (4) ASI outputs.

## SIMPLE CONFIGURATIONS

Using a web browser via the RJ-45 Ethernet port or the front panel all parameters can be quickly setup. Parameters include local station selection and alarms.

## DIAGNOSTICS AND ALARMS

The DTV744 provides quality monitoring of carrier and transport stream via SNMP or web interface. Warning and major alarm signals are also provided via contact closures.

## FEATURES

- Four (4) 8VSB Inputs
- Four (4) ASI Outputs
- PSIP Pass-through
- Web Browser Configuration and Diagnostics
- SNMP Control and Monitoring
- Warning and Alarm Relays and LEDs
- Field Upgradeable Software

EMAIL [info@wegener.com](mailto:info@wegener.com)

[www.wegener.com](http://www.wegener.com)

©2004 Wegener. All Rights Reserved.

ISO 9001:2000



Certificate No. 1502-005996, 006002

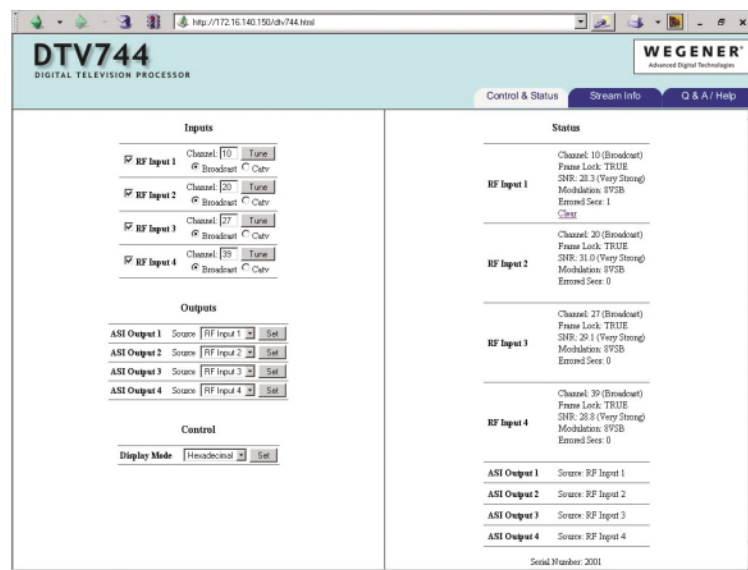
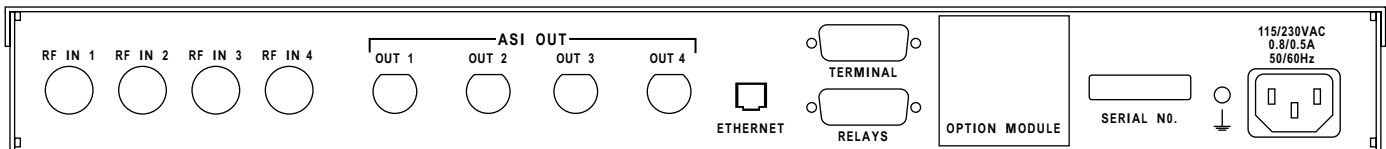
# DTV744

8VSB 4 CHANNEL DEMODULATOR



WEGENER®

## THE DTV744 REAR PANEL



THE DTV744 WEB BROWSER

## TECHNICAL SPECIFICATIONS

### RF INPUTS

Input Frequency	
Range	53 to 810 MHz
Symbol Rate Range	10.76 Mbps
Input Data Rate	19.393 Mbps
Input Signal Level	-80 to -20 dBm
Input Impedance	75 Ohms, unbalanced
Input VSWR	<3.0:1 in 75-Ohm system
L.O. Leakage at Input	< -60 dBm max

### SERIAL PORTS

Standard	RS232, on Female DB-9 Connector
Baud Rates	Terminal 115.2 kbps
Formatting	8 data-bits, one start, one stop-bit, half-duplex,

### DVB-ASI OUTPUTS

Data Rate	19.39 Mbps
-----------	------------

### ETHERNET PORT

Physical Layer	10BaseT/100BaseT (twisted pair) on RJ45 jack
Media Access / Link Layers	Per IEEE 802.3 (Ethernet)

### ALARM & WARNING RELAYS

Function	De-energize for alarm so that power loss is recognized as an alarm
Type	Form C
Rating	30VDC open circuit, 100 mA max current

### AC POWER

Voltage	90-132 or 175-264 VAC auto-detect/ selected
Frequency	50 or 60 Hz +/-2%
Power Consumption	< 35 Watts

### AGENCY APPROVALS

UL	UL1950 Latest revision
FCC	Part 15B Class A

### ENVIRONMENT

Operating Temperature	0 to +50 C
Storage Temperature	-20 to +70 C