Services

Select Service

Select First

RF2

RF Rx*

PRM & ADV

Select Tuner

Local Oscillator

Manual LO

Downlink

L-Band

Modulation Type

CCM Mode

Mod. Mode

Symbol Rate

Acquisition Range

Roll Off

Pilot

Fec Frame Type

LNB Menu

Profile Menu

RF Rx*

LB

<< RF1 - RF2 >>

Tuner State

Downlink

Local Oscillator

Manual LO

L-Band

Acquisition Range

S2X Rolloff

LNB Polarity

LNB Tone

Modulation Type

Symbol Rate

RF Stats

IP Rx

Rx IP

Rx Port

SSM Address

Connector

Latency

Time Out

Error Rec.

Video

Output Menu

Genlock Menu

CAS

Mode

Clear SW

Encrypt. SW

User ID 1

User ID 2

S Out Decrypt

System

Login

Duration

Backlight

letwork Men

Time Menu

NTP Menu

Alarm Menu

SNMP Menu

COM2

Name

Firmware

eature Meni

VBI

TimeCode Menu

AFD Menu

CC Menu

Teletext Menu

Audio

audio Assign Order

Audio Sync Mode

<< AUDIO 1-8 >>

Audio PID

Offset

Dolby D Mode

SDI Matrix

ANALOG VOL.

(Audio 1-2 only)

Thank you for your purchase of the Adtec RD-70 Receiver/Decoder. This product is sold with optional demodulator hardware packages. Configurations and indicators relevant to those add-on package are noted here. If you purchased this product without a demodulator, please disreguard settings noted with an asterisks.

Ouick View Status

For information on the core systems of the IRD, use the down arrorw on the front panel to scroll through these quick view menus.

Decoder Status Input TMR

Encryption

DECODING ASI TMR:20.000M CAS:Free to Air SVC: 00001 "Serv. Name" "Serv. Provider"

Service ID Service Name Service Provider Bit Depth Delay Mode CODEC Chroma

COD: H.264 CHR: 422 BITD:08 DLYM: NORMAL VRT: 18.012Mb/s RES:1920X1080 FR:59p

Video Rate Resolution Frame Rate Video PID PCR PID PMT PID Aspect Ratio

VID:441 PCR:441 PMT:440 ARA:16X9

Type Bitrate Audio 1-8

1:MU 384k 3:MU 384k 5:MU 384k 7:MU 384k 2:MU 384k 4:MU 384k 6:MU 384k 8:MU 384k

Audio PIDS 1-8

Audio 1:11300 3:11400 5:11500 7:11600 PIDS 2:11300 4:11400 6:11500 8:11600

Rcv Level Link Margin Input Mode/FEC

RF1 32APSK9/10 Lvl: -52.0dB LMar:20.5dB LOCKED DVB-S2 Sym:29.970Ms Es/No:29.8dB

Lock Status Type Symbol Rate Eb(s)/No

RTP Detected RTP Error Count RTP: Y RTP-Err: 1234567 Buffer:1234ms

FEC: Y FecLoss: 1234567 FecCorr: 1234567

FEC Detected FEC Packet Loss FEC Corrections

Reset:

Should you need to reset your device, you can do so via the front panel by pressing the MODE, ESCAPE and RIGHT ARROW keys simultaneously

Decode

Off - Decoder is idle On - Decoder is active

ASI/IP/RF

Off - No services detected On - Services detected

Lock 1 / Lock 2

Off - IP Egress is idle

Off - B/T/ID options are disabled

A1 - A8

On - Audio Decoding

Blinking - Fail to decode or pass

On - System alarm

Off - Decryption config is OFF

On - Decryption config is ON

Off - No network activity

On - Network traffic present

Link

Off - No network detected

On - Connection active

LED Status

Off - Tuner is not locked

On - Tuner is locked

IP Out

On - IP Egress is active

On - B/T/ID are enabled

Off - No Audio Decoding

audio

Off - No system alarms

Model Indicators:

Premium demodulator

Advanced demodulator

No demodulator

LB demodulator

NEW

Adtec's new LB demod supports automatic modulation, coding, and symbol rate detection. Simply configure the demodulation type and symbol rate to AUTO. A symbol rate of 0 via the front panel is also equal to AUTO.

Units ship with the front panel logged in by default. If you become logged out and are prompted for a password, use the following key sequence for access.

Press <Select> when panel displays 'User Login -- logged out' Press <Up arrow> Press <Select>

Press <Enter> Press < Right arrow > Press <Enter>

Front Panel Menus:

in submenus.

MODE Use Mode Button to move through top layer menus.

Use select to enter into edit (SELECT) mode and (ENTER) enter to Use arrows for navigation save selection.

Special Keys:



F2 Use the F2 button as a decimal.



DECODING ASI TMR:20.000M CAS:Free to Air SVC: 00001 "Service Name" Service Provider





Getting Connected

Power

Power:

Processor GigE:

COM2:

COM1:

Parport: RS422:

Decoder

DVB ASI In:

CVBS Out:

Digital VIdeo Out:

* Demodulator (optional).

** SDI Out 1 & 2

RF 1 & RF 2:

L-Band (LB) Model:

Svnc In:

Analog Audio Out:

AES Audio Out 1-8: DVB-ASI x3 Out:

GPIO:

(Auto range 70-240 VAC Input)

API Serial Communication Interface

Not Currently Supported

Tally and Control Port

9-pin parallel I/O interface for control systems

75 Ohm AES-3 BNC

75 Ohm terminated Input BNC

75 Ohm BNC

To begin, you will need to connect to your RD-70 via ethernet directly, or by adding the RD-70 to your local area network. The default address for all Adtec devices is 192.168.10.48.

To connect directly to the device, make sure that your computer and the device have IP addresses within the same IP class range (ex. 192.168.10.48 for the device and 192.168.10.49 for your computer). If you need to change the IP address of the device, this can be done via the front panel, System > Network menu. Using a CAT 5 crossover cable, connect one end to your computer and the other to the Ethernet port found on the processor section of the back panel. (Some computers can auto negotiate the connection and a crossover may not be necessary.)

To add the device to a LAN, connect a standard CAT 5 Ethernet cable to your network router or switch and then to the Ethernet port on the back of the device. If your network is DHCP enabled and you prefer that over a static IP, you can turn on DHCP for the device via the front panel, System > Network menu.

Web-Based Control Application



Adtec Digital has adopted zero-configuration networking technology, streamlining the setup and configuration processes for our products. The use of this technology enables automatic discovery of Adtec devices and services on an IP network. Used in tandem with the web-based control and configuration applications we can now provide 1-click access to any device.

devices on a network by referencing the

serial number on the back of the device. Clicking on the unit in the Bonjour[©] list will re-route you to a login page. If you do not wish to use Bonjour, you can reach the device's web application by pointing your browser to the IP Address of the device. Ex. http://192.168.10.48/. You will be prompted for a username and password. The default username is 'adtec'. The default password is 'none'.

The left-hand panel of the application will report current status in real-time while the right panel tabs will allow you to configure your device.

By using the built-in Bonjour[®] locater in Apple's[©] Safari[©] browser or the plug-ins readily available for IE[®] or Firefox[®] browsers, users can locate all of the Adtec

Have questions? Each field or group of fields in our web-based application has a hint button associate with it. It contains information on use of the field or acceptable ranges.

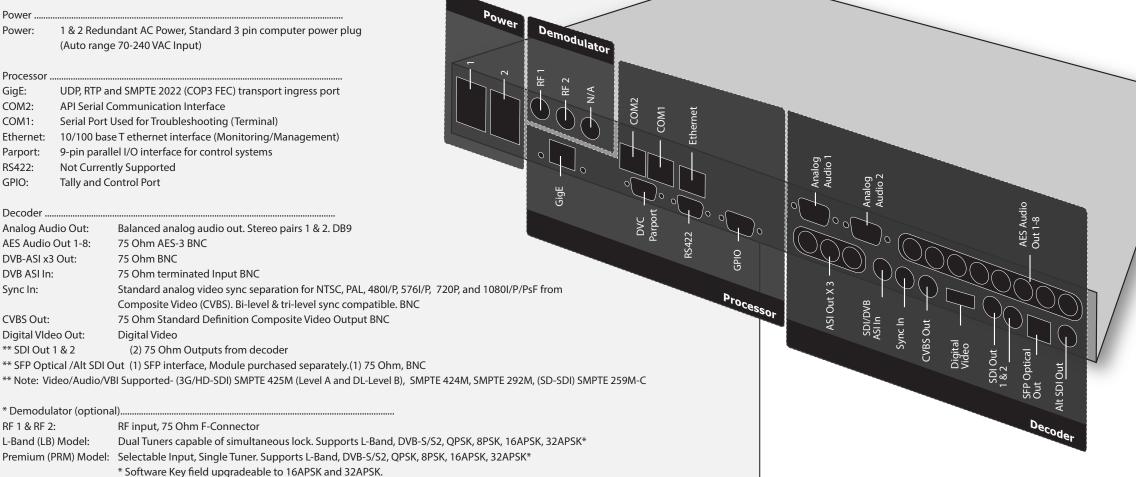
Getting Started

Once your receiver is powered up, configured on your network and you have inputs applied with active services, you can select which services you want to decode via the web-based control application. The below image shows the Input > Services tab. From this tab, you can view all services available on your device, select one of the services for decode or view more details about the service. There is a 'Select First Found' option for each input. When selected, this configuration will detect the first valid service and decode it.



Note: IP service selection is treated differently than ASI or RF inputs. To populate the IP services section, you need to first visit the IP Params tab and set the correct Rx Address, port and handling parameters. Return to the RD Services tab. Click the 'Select First Found' radio button for IP. This will populate the RD Services tab with services found on the IP input.

The most recent firmware releases are available on our support website, www.adtecdigital.com. Advanced users can find direct API command help as part of the on-board web application, Help Tab.



RF input, 75 Ohm F-Connector