

TOSHIBA

TRX-120

Integrated Receiver Descrambler



NEW

Encounter The Difference

Introducing the TRX-120 — Toshiba's new home satellite receiver. The technologically advanced TRX-120 has full C/Ku compatibility, stereo sound, VideoCipher® descrambler module, automatic antenna controller and actuator power drive built-in.

Sophisticated electronics are easy to enjoy with user-friendly software, on-screen graphics, full-function remote control with UHF option, and the new amber "Image Magic" LCD display. The TRX-120's proven dependability and high performance are backed with Toshiba's 2-year limited warranty.

TRX-120 — the reliable, affordable IRD for unequalled home satellite television.

- C/Ku band full compatibility with 30 channel, 30 Ku band satellite data memory.
- VideoCipher® descrambler module included.
- Integrated antenna controller and actuator power drive with automatic micro-tuning for antenna position and polarity.
- Digital stereo in VC mode plus matrix and discrete stereo.
- Full function infrared remote control with optional UHF adapter.
- "Image Magic" amber LCD display panel shows system in operation.
- Programmable features for customized performance.
- On screen graphic display menus for ease of use.
- 30 programmable favorite channels grouped by program name in six categories.
- Parental control with user-chosen password.
- Direct access selection for satellite, channel and audio choices.
- Digitally controlled tuning for accurate reception.
- 2-year limited warranty, U.L. listed.

Integrated Receiver Descrambler

BF

Video Performance

Audio Performance

RF Modulator

Power

Actuator Interface

Environmental Condition

Mechanical

- Amber LCD "Image Magic" Display
- Built-in VideoCipher® Descrambler
- Built-in Automatic Antenna Controller
- Built-in Actuator Power Drive Circuit
- Infrared Full Function Remote Control
- *Optional* UHF Remote Adapter
- Full Stereo: Digital in VC mode, Matrix and Discrete
- User-Customized Features
- On-Screen Graphic Display Menus
- Parental Control by Satellite and Channel
- 30 Favorite Channels
- C/Ku Band Satellite Memory Map
- 30 C Band Satellites in Memory
- 30 Ku Band Satellites in Memory
- 24 C Band Channels in Memory
- 32 Ku Channels in Memory
- Frequency Synthesized Tuning
- Automatic Micro-Tuning
- Channel Skip Selection
- Two RF Inputs (C/Ku or H/V)
- T.I. Loop Terminal
- Base Band Output Terminal
- UL Listed, FCC and CSA Approved

The image shows the rear panel of a Toshiba TRX-130 satellite receiver. Key features include:

- Inputs:** IF LOOP (1400Hz), BASE BAND, VIDEO OUT, AUDIO OUT (RIGHT/LEFT), IPPV OUT, DATA OUT, REMOTE SENSOR, and INPUT FROM SATELLITE ANT (1).
- Controls:** INPUT MODE (VHF-UHF), RECEIVER MODE (AUTO/PROGRAM), and a C/V switch.
- Power and Grounding:** A 3-pin power connector (+5V, GND, -5V) and a 4-pin shield connector (GND, FL, +5V, SHIELD).
- Outputs:** VHF IN (FROM ANT), VHF OUT (TO TV), and an AC OUTLET (13).
- Labels and Warnings:** A "CAUTION" label with a lightning bolt symbol and a "WARNING" label with an exclamation mark. The label also states "DO NOT OPEN" and "DO NOT TOUCH".
- Identification:** The model number TRX-130, AC 120V 60Hz 185W, and the manufacturer TOSHIBA CORPORATION are printed on the panel.
- Regulatory Information:** FCC ID: AG89KAAS870B, TOSHIBA, and a UL logo are visible.

- Design and specifications are subject to change without notice.

VideoCipher® is a registered trademark of General Instrument Corporation.

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**TOSHIBA AMERICA
CONSUMER PRODUCTS, INC.**

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Integrated Receiver Descramblers



NEW

Encounter The Difference



VIDEO CIPHER II
SATELLITE RECEIVER MODEL T



TRX-80/TRX-100 Specifications

RF

Input Frequency: 950 to 1450 MHz

Input Impedance: 75 ohms

2nd IF: 140 MHz

VIDEO PERFORMANCE

Output Impedance: 75 ohms

Output Level: 1 Vp-p ± 2 dB

AUDIO PERFORMANCE

Bandwidth: 330/150 kHz selectable

Subcarrier Frequency: 5.0 to 8.5 MHz variable

Output Impedance: 600 ohms unbalanced

RF MODULATOR

Output Frequency: VHF US Ch3 or Ch4 selectable

POWER

Primary Power: 120 V AC, 60 Hz

Power Consumption: 185 watts

Power Supply to LNB: 16.5 to 21.2 V DC
180 mA max. x 2

ACTUATOR INTERFACE

Motor Power (M1, M2): 36 V Nominal, 2.5 A max.
Class 2

MECHANICAL

Dimensions (W x H x D): 17" x 3-1/2" x 13-3/4"

Weight: 20 lbs.

FEATURE COMPARISON		TRX-100	TRX-80
Built-in VideoCipher® II Descrambler		✓	✓
Built-in Automatic Antenna Controller and Actuator Power Drive Circuit		✓	✓
Infrared Full Function Remote Control		✓	✓
Frequency Synthesized Tuning		✓	✓
Stereo (Digital in VC Mode, Matrix, Discrete)		✓	✓
On-Screen Display		✓	✓
C/Ku-Band Compatible		✓	✓
RF Input		2 Inputs	1 Input
Satellite Memory Capacity	C-Band	30	22
	Ku-Band	30	22
Channel Memory Capacity	C-Band	24	24
	Ku-Band	32	32
Parental Control		by Satellite, by Channel	by Channel
20 Favorite Channel Programming		✓	✓
Automatic Micro-Tuning		✓	✓
Channel Skip		✓	
User Customized Features		✓	
Satellite Memory Map		C/Ku Band	C Band
UHF Remote Adaptor		Optional	Optional
T.I. Loop Terminal		✓	Optional
Base Band Output Terminal		✓	✓
Front Display Panel		LCD	FL & LED
Beep Sound		✓	

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