

User's Guide

DIGITAL SATELLITE RECEIVER

I PRO 2000



UBSTUSA .

ADDRESS : 444 kingsley Dr suite#318

Los Angeles CA 90020

DIGITAL SATELLITE RECIEVER

FCC ID :

MODEL NO : I PRO 2000

POWER : Input Voltage 90 - 250V AC @ 50Hz/60Hz \pm 5%

The socket-outlet shall be installed near the equipment and shall be easily accessible.

This device complies with part 15 of the FCC Rules, Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ⊙ Reorient or relocate the receiving antenna.
- ⊙ Increase the separation between the equipment and receiver.
- ⊙ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ⊙ Consult the dealer or an experienced radio/TV technician for help.

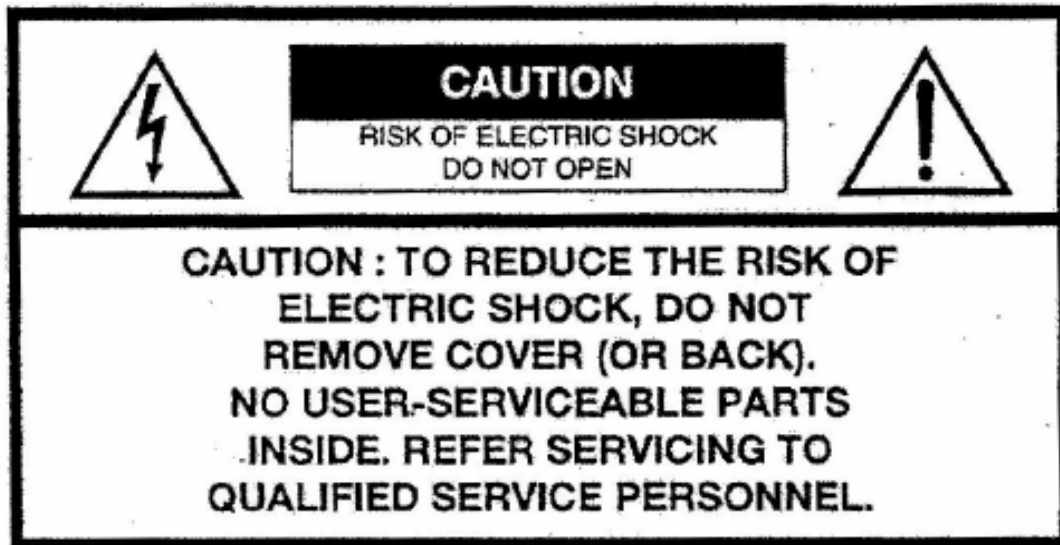
Modifications not expressly approved by the manufacturer could void the user's authority to operated the equipment under FCC rules.

"IMPORTANT SAFETY INSTRUCTIONS", or the equivalent. The safety instructions shall include, as applicable to the particular apparatus, the information and warnings listed below:

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use the attachments/accessories specified by the manufacturer.
- 12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

SYSTEM SPECIFICATION

1) SYSTEM CAPACITY

Fully MPEG2, DVB complaint

2) DEMODULATION

QPSK demodulation and FEC decoding

in accordance with DVB prETS 300 421

Symbol rate (Rs) $2 < R_s < 45$ Mbaud

3) VIDEO DECODER

MPEG-2 Main Profile @ Main Level With Letter Box filter

Data rate up to 15Mbits/s

Video Formats 4:3, 16:9

4) AUDIO DECODER

MPEG-1 layer I and II, Musicam

Stereo Channel, Dual Mono, Joint Stereo Channel, Mono

Spdif with AC-3

5) PROCESSOR RESSOURCES

Microprocessor STi5100 AUC(STM)

SDRAM Memory 64Mbyte (DDR-RAM, 133MHz)

Flash memory 8Mbyte (4Mbit x16)

6) LNB INPUT

Input Frequency 950 to 2150 Mhz

Digital signal input level -65 to -25 dBm

LNB supply $13.5 \pm 0.5V$ / $18.5 \pm 0.7V$, max.750mA

Band switch control 22KHz (Microprocessor control)

Connector 2 x F-Type, 3/8-32UNEF-2A (1 Input / 1 Loop through)

7) Component Outputs (YUV)

Connector type : 3 x RCA (Y Pb Pr)

Output impedance 75Ω unbalanced

SYSTEM SPECIFICATION

8) S-VHS Output

Video format Y,C

Output impedance 75W unbalanced

9) AUDIO OUTPUT

Connector type **2 x RCA (Left and Right)**

Output impedance **600Ω unbalanced**

10) Digital Audio Output

Connector type 1 x Optic

Output type Spdif encoded signals with ac-3

Sampling frequency rate 32 , 44.1 or 48khz

11) RF MODULATOR

RF Output Signal NTSC M

Video Carrier Frequency 61.25 \pm 90 kHz US 3 CH
 67.25 \pm 90 kHz US 4 CH

12) RS232 SERIAL DATA PORT

Connector 9 pin DB9(M)

Data protocol RS232C interface

13) USB

USB 2.0 interface

Connector type **A type**

14) ETHERNET

Connector type RJ45

IEEE 802.3 / 802.3u standards

10 BASE-T and 100 BASE - TX support

SYSTEM SPECIFICATION

15) POWER SUPPLY

Type Switching mode

Main input voltage 90 - 250V AC @ 50Hz/60Hz \pm 5%

Nominal power consumption 40W

16) CONNECTORS

1 LNB Input / 1 Loop through output (2F-type)

2 x Audio L/R (RCA)

1 x Video SIGNAL (RCA)

3 x YUV (RCA)

1 x RS-232 (9-pin D-sub male)

1 x RF Modulator (2F-type : IEC169-24)

1 x S-VHS (4-pin Mini-Din)

1 x Digital Audio Output (optic)

1x USB A-type

1x R J45 Type Ethernet

1 x AC Power Switch