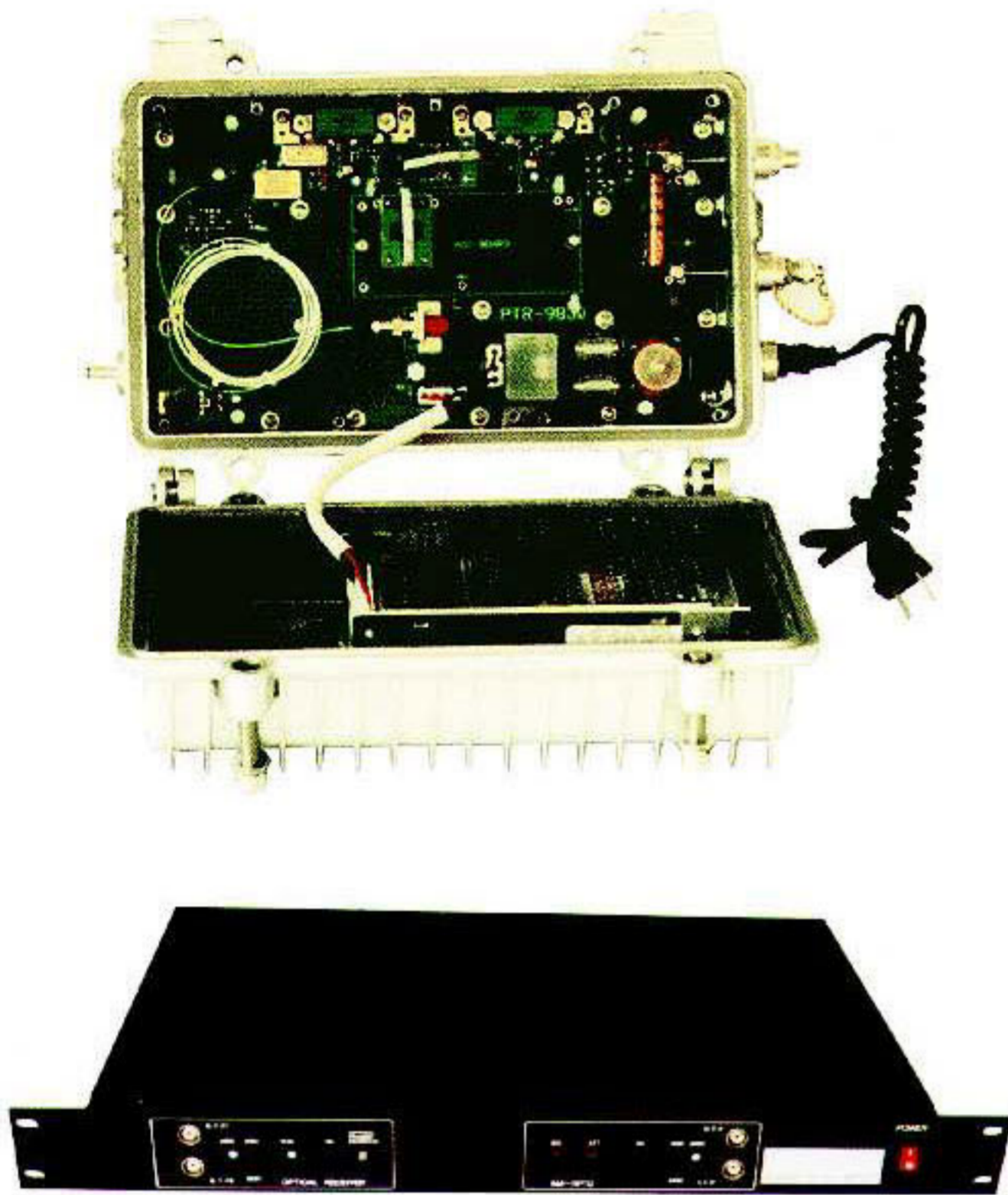


# STOR-750 Optical Receiver



## Use:

- The STOR-750 optical receiver converts the optical signals from the transmitter to a high quality broadband RF signal. It is suitable for large and medium CATV systems

## Features:

- Use high responsivity PIN photodiode.
- LCD optical power monitoring:  
LCD is red when optical power  $\geq +1\text{dBm}$   
LCD is green when optical power  $\leq -6\text{dBm}$   
LCD is no light when  $-6\text{dBm} < \text{optical power} < +1\text{dBm}$
- The first stage of RF amplifier is a low noise amplifier it improves CNR when received optical power is low.
- Power supply AC 220V with built-in EMI filter and middle power ceramic-metal discharge triode with thunder resistance capability up to  $5 \times 10\text{KA}$  (8/20  $\mu$  S, 10 times).

## Ordering information:

- Select the power supply: AC 220V or AC 60V;
- Select the MGC: constant (step 2dB) or adjustable;
- Select the MSC: constant (step 2dB) or adjustable;
- Select the RF output port: one or two;
- Indoor and outdoor housing options;

## Specifications:

### 1. Optical input:

Fiber optical connector	FC/APC
Photodiode responsivity	$\geq 0.85\text{mA/mW}$
Return loss	$\geq 55\text{dB}$
Input optical power	-7dBm~+3dBm -6dBm~+1dBm(recommend)
Wavelength range	1310nm~1550nm

### 2. RF output:

Frequency range	(45-750)/(45-862)MHz
Flatness	$\pm 0.75\text{dB}$
Output level	(98~106)dB $\mu$ V adjustable
Return loss	$\geq 14\text{dB}$
Manual gain control	(0~15)dB adjustable, or 2dB step
Manual slope control	(0~10)dB adjustable, or 2dB step
Test port loss	-20dB

### 3. Link specifications:

CNR	$\geq 51\text{dB}$
CSO	$\leq -60\text{dB}$
CTB	$\leq -65\text{dB}$

### 4. Other:

Power supply	AC 220V or AC 60V
Power consumption	30VA
Operating temperature	(-45~+55)°C