

# Satellite Multi-Switch

## Description:

The Satellite Multi-Switch is used to combine the passive CATV/Antenna signals and the amplified Satellite signals as the best choice of one cable solution in a small SMATV system. The Satellite Multi-Switch is designed for an independent selection of LNB-A or LNB-B for each satellite receiver and each individual receiver can select any satellite channel.

## Installation: (see Fig. 1)

To install the module, simply insert tabs to the cap located on the rail of the enclosure. Press the fastener to lock the module at the desired position.

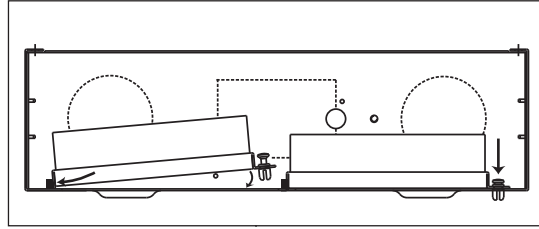


Fig.1

## Operation: (see Fig. 2)

### Setup the Satellite Cable

The Satellite Multi-Switch is used to combine a dual LNB signal from satellite dish and CATV/Antenna signal to support up to four satellite receivers. Connect the dual LNB cables from satellite dish to the correct LNB-A and LNB-B ports of the multi-switch. The DC power passing from satellite receiver to LNB is 500mA max. There is an optional DC power supply input socket for external DC power use.

### Setup the CATV/Antenna Cable

Connect the incoming CATV/Antenna signal to Antenna port of the multi-switch. The combined signals are run through a single coaxial cable and a Diplexer is used after the satellite wall outlet to separate the satellite and CATV/Antenna signals in order to connect to the satellite receiver and TV.

## Diplexer

The Diplexer is used for combining or separating satellite and CATV/ Antenna signals and allows those two signals to be fed on a signal coaxial cable. Usually when combine these two signals might increase interference and reduce the signal strength. DC Power pass is provided in order to pass satellite receiver LNB voltage.

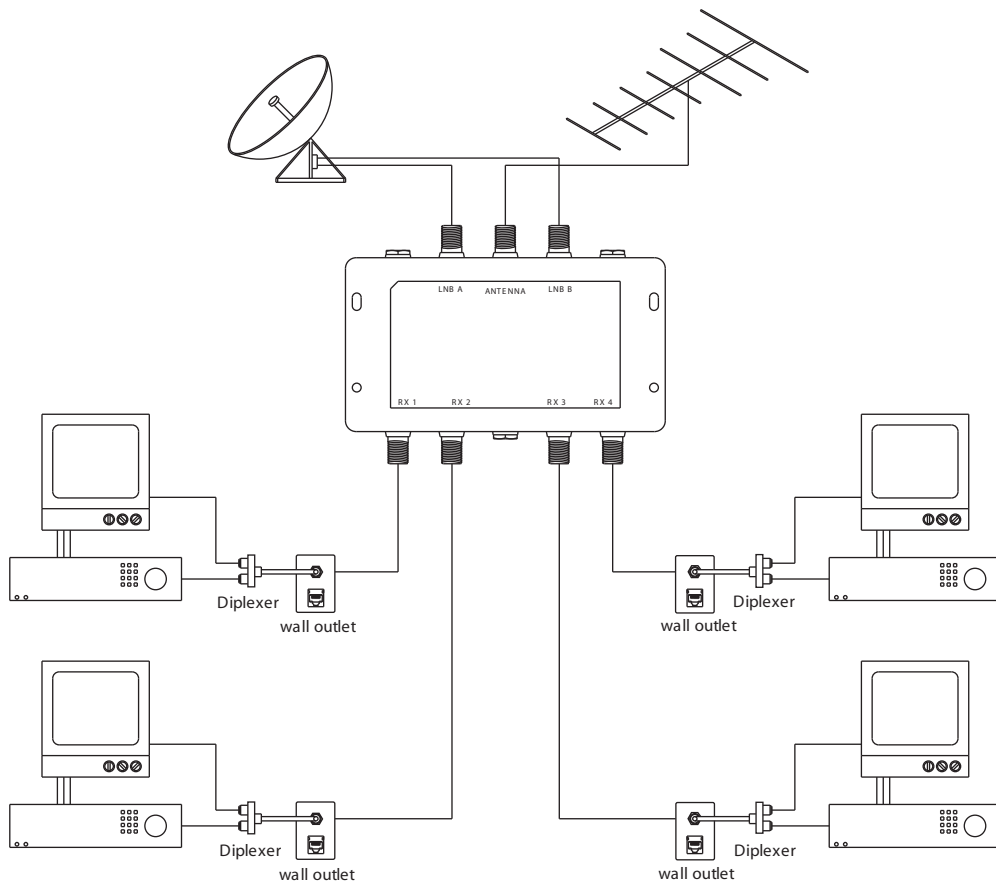


Fig.2