**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.

**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.