

# Installation guide of antenna amplifier

## 1. Introduction

There are attenuation between receiving unit, distributing unit and receiving place. The function of antenna amplifier is to compensate this attenuation. The attenuation comes from:

- coaxial cable
- distributor, branch line
- antenna plug
- coaxial connector/plug

## 2. Types of antenna amplifier

### a 、 Multirange antenna amplifier

Multirange antenna amplifier can be at the receiving place, that is, at the base of the same method selection, it can be put in the front of or behind the receiving antenna. This kind of set is also called "S—amplifier" because of the additional mark behind the capability number.

### b 、 BK—set amplifier / House distributing amplifier

This kind of amplifier is fit for the layer 4 of network. That is, amplifier is directly behind the house—tuning—point. In the wide band distributing network(BK—set.) the BK—set amplifier use level adjust for level optimum. Part of this kind of amplifier has a installable line conditioning, compensating the cable attenuation, which has relation with frequency. With the BK—set amplifier is the appropriate supply to the wide band distributing network guaranteed. It can't be put at receiving place.

### c 、 Two—unit amplifier

Two—unit amplifier is used at the antenna plug in order to compensate the distributing loss or the transmission loss because of attachment. For example, when another receiving unit must be connected or when a certain long cable is necessary to reach the receiving unit. Two—unit amplifier must not be put at the receiving place.

### d 、 Multirange transmission amplifier

Multirange transmission amplifier is in EVA, it can compensate the distributing loss and the cable loss caused by not only one antenna set but also antenna sets. Multirange transmission can't be put at the receiving place.

### e 、 Leading amplifier

In order to mark a existing EVA include all the receiving wave ranges. The leading amplifier is used. The leading amplifier is connected in front of or behind the existing multirange amplifier in the set, so it is impossible to receive the additional VHF —or UHF wave range. According to the input selection, the leading amplifier can be put the receiving place.

## 3. Installation

The amplifier is installed at a certain place with two screw holder side by side. The installation should be near the standing place for the multirange antenna amplifier and near the Hiip for the BK—set amplifier. The installation of coaxial connector(DIN/IEC or F—connector) must be careful and must accord with special requirement.

The VED—standard 0100 and 0855(part1) or the European norm EN50083(part1) is for the electric part.

## 4. Others

Please care the corresponding national approved regulations for radio receiving set