

1) General description.

AM090945SF-1H is a general-purpose power amplifier (PA) for Radio transmitter application. It has a built-in, on-off control, which is TTL compatible, and a temperature sensor for over temperature alarm. This manual provides the operating instruction, as well as technical specifications.

2) Operating instruction (User Manual)

Figure 1 is the photograph of the PA. All the connections are labeled on the top cover of the PA. The turn-on procedure is described below.

- A. Connect the PA according to the label shown on the top cover.
- B. Apply +13.6 volts to the DC pin on the top left corner of PA.
- C. Apply the radio signal to the amplifier. The radio signal can be from 0.1-watt to 3-watt to reach the desired output power at the “ANT” terminal.
- D. Monitor the output power at the “ANT” terminal.



Figure 1: Photo of AM090945SF-1H PA