

FRB-5A Relay Unit

The **FRB-5A** Relay Unit allows interconnection and operation of the **FTV-1000** with the **FT-1000MP** (original version) or **MARK-V FT-1000MP Field** Transceivers. Besides this unit, you must also purchase the **FP-29** AC Power Supply, available from your Yaesu dealer.

Supplied Items

Connection Unit	1
Double-sided adhesive tape	1
Sponge Sheet	1
Tie Wrap	3
Connection cable A (length: 1 ft./30 cm)	1
Connection cable B (length: 4 ft./1.2 m)	1

Installation & Connections

- Referring to Figure 1 for the **FT-1000MP** (original version) or Figure 2 for the **MARK-V FT-1000MP Field**, remove the top cover from the transceiver.
- Referring to Figure 3 for the **FT-1000MP** (original version) or Figure 4 for the **MARK-V FT-1000MP Field**, disconnect the 6-pin connector from **J6808** on the ALC Unit, then connect this 6-pin connector to **J1001** on the Connection Unit.
- Connect the 6-pin connector from the Connection Unit to **J6808** on the ALC Unit.
- In the **FT-1000MP** (original version), route the supplied (short) Connection Cable A through the heatsink slit from the rear panel side, then connect it to **J1003** on the Connection Unit. Place this (short) connection cable onto the supplied sponge sheet, and then place this sponge sheet (w/Connection Cable A) into the slot of the heatsink to fix the cable in place (Figure 3).
- In the **MARK-V FT-1000MP Field**, remove the plastic plate from the rear panel, then insert the connector of the supplied (short) Connection Cable A, from the inside, into the exposed rear-panel cut-out. Connect the other end of Connection Cable A to **J1003** on the Connection Unit (Figure 4).
- Mount the Connection Unit onto the chassis, using the supplied double-sided adhesive tape, then bundle the cables using the supplied Cable Ties.
- Replace the top cover and its nine screws.
- Referring to Figure 5 for the **FT-1000MP** (original version) or Figure 6 for the **MARK-V FT-1000MP Field**, Connect the supplied (long) Connection Cable B between the 2-pin connector of the (short) connection cable A and the **DC POWER OUTPUT** Jack on the **FTV-1000**. Connect other connection cables according to the illustration.

Operation

Operation is basically the same as when the **FTV-1000** is operated with the **MARK-V FT-1000MP**. Please read the **FTV-1000** operating manual for details regarding operation.

 The **FP-29** AC power supply must be kept on while operating. When you turn the **FP-29** AC power supply off, the PA Unit of the transceiver will be disabled automatically.

Note: Some versions of the **FT-1000MP** (original version) have a **TRV** switch on the ALC Unit. Make sure that the **TRV** switch is set to the "NORM" position.

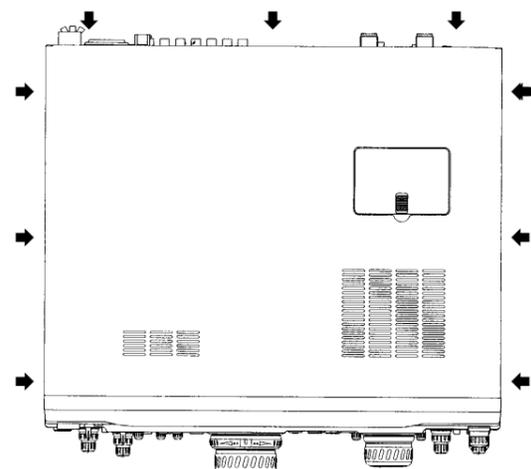


Figure 1 (FT-1000MP original version)

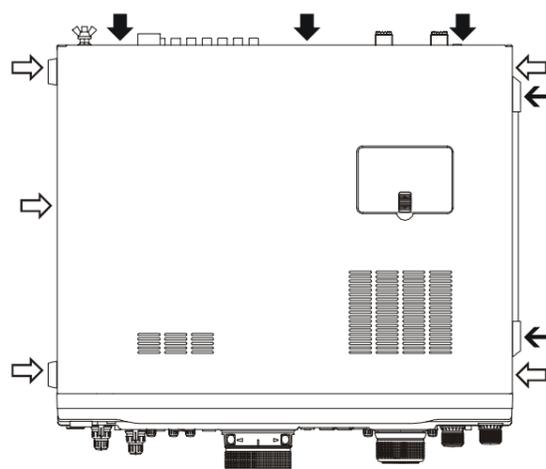


Figure 2 (MARK-V FT-1000MP Field)

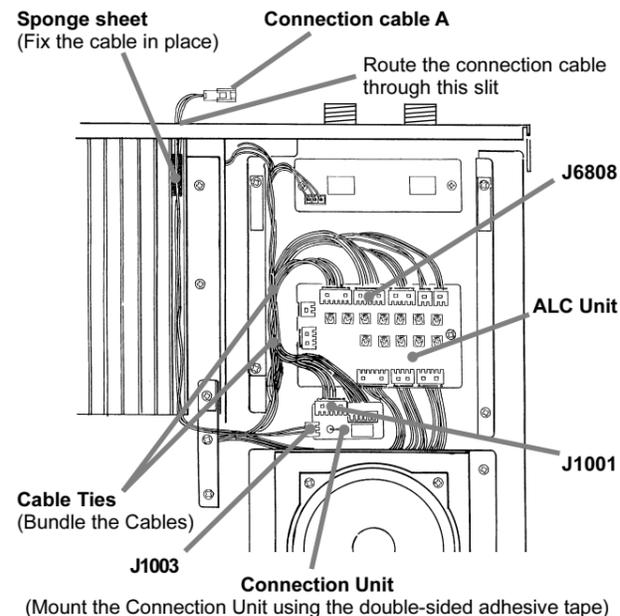


Figure 3 (FT-1000MP original version)

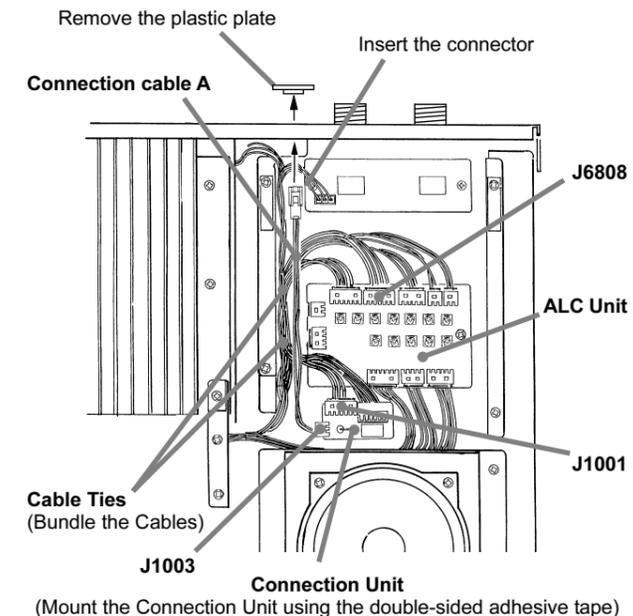


Figure 4 (MARK-V FT-1000MP Field)

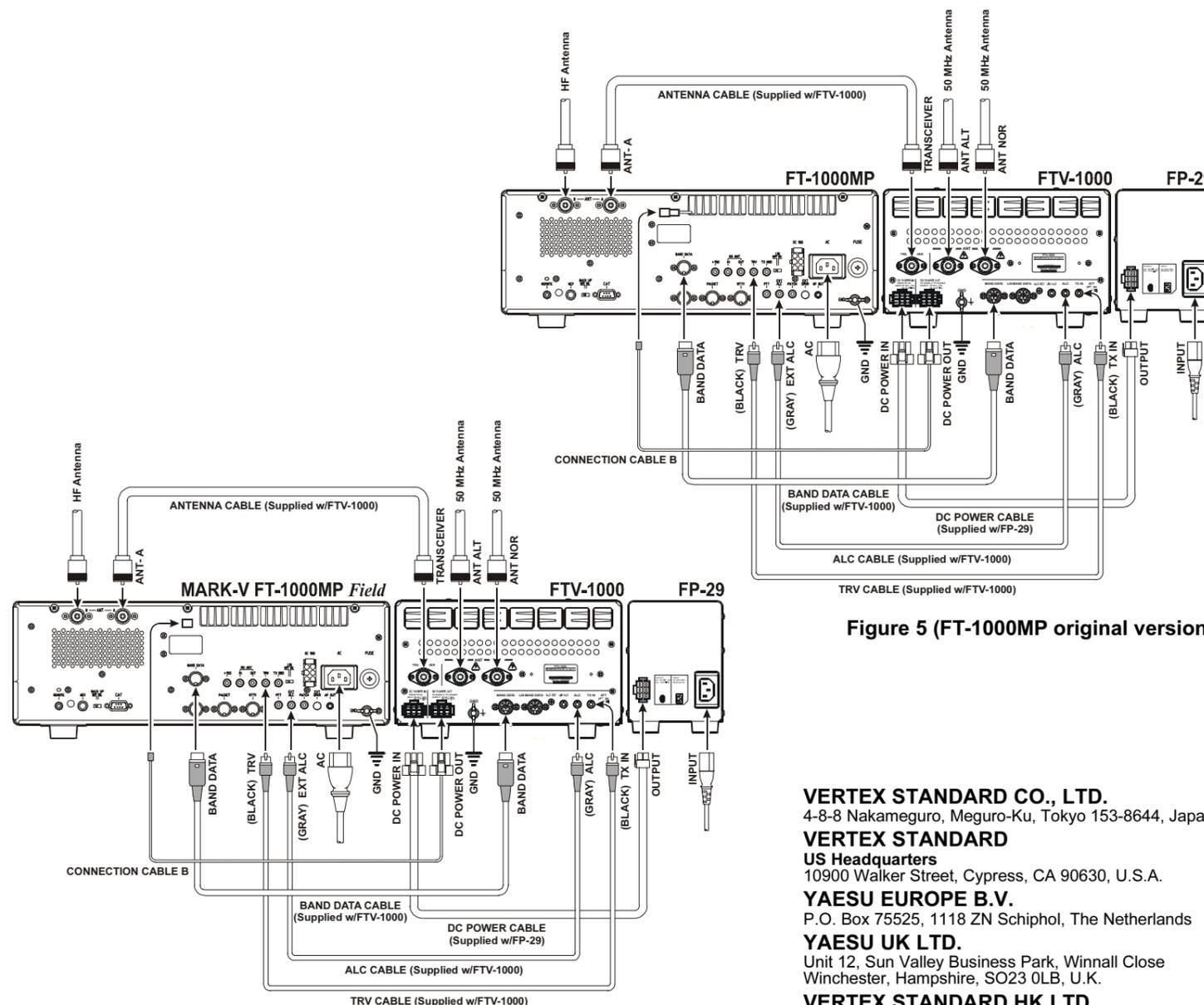


Figure 5 (FT-1000MP original version)

Figure 6 (MARK-V FT-1000MP Field)



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