

ADONIS

FLEXIBLE MOBILE MICROPHONE **FX-7500**

INSTRUCTION MANUAL

Space Electric Corporation
OSAKA, JAPAN

FLEXIBLE MOBILE MICROPHONE FX-7500

INSTRUCTIONS

Thank you very much for your purchase of Mobile Microphone model FX-7500.

The Model FX-7500 is newly provided with flat type switch and control boxes for batteries to be set on any place in the car. Also it is provided with the electronic sound signal for TX and RX selection.

FEATURES:

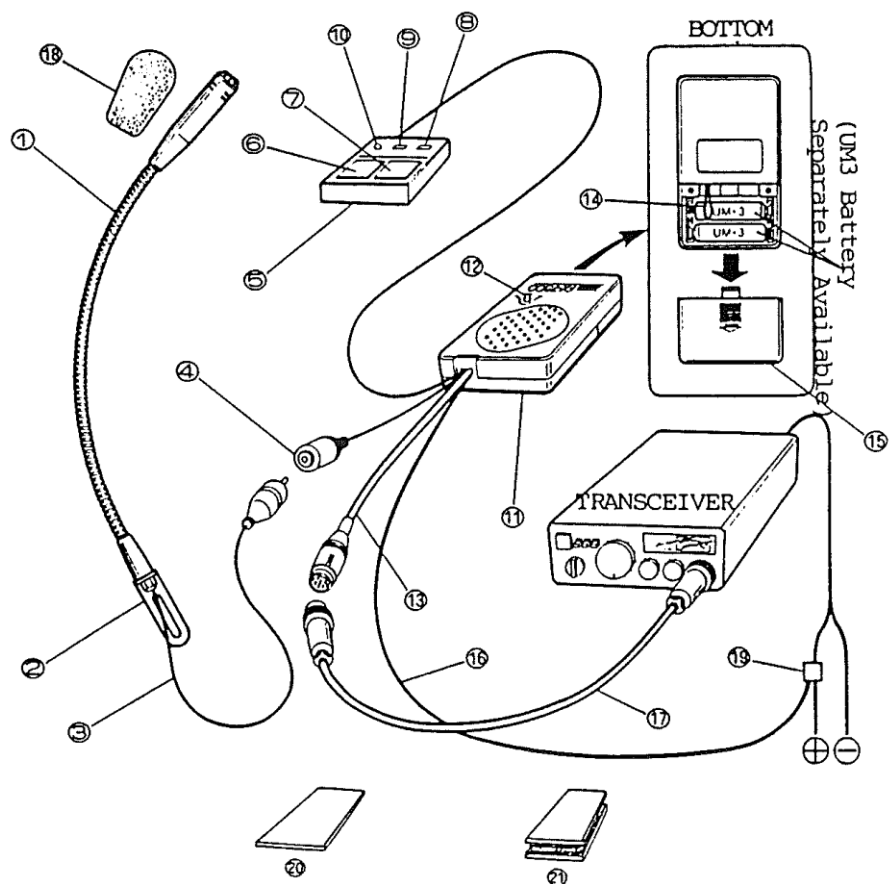
- The power feeding can be done from mobile battery (DC12V), normal dry battery and microphone connector of transceiver.
- The uni-directional microphone serves to reduce the background noise.
- The microphone is equipped with UP/DOWN Switches and LED TX Indicator.
- Variable microphone sensitivity by the output level adjustment volume.
- Provided with light-touch PTT switch and electronic sound for checking TX and RX operation.
- Provided with Non-Modulation Prevention Circuit with alarm sound.

PART NAMES: (Please refer to the illustration.)

- ① Flexible Gooseneck
- ② Mounting Hardware
- ③ Mic. Cord w/Pin Plug
- ④ Mic. Input Pin Jack
- ⑤ Switch Box
- ⑥ PTT Switch
- ⑦ LOCK Switch
- ⑧ UP Switch
- ⑨ DOWN Switch
- ⑩ TX Indicator (RED LED)
- ⑪ Control Box
- ⑫ Mic. Output Level Volume
- ⑬ Mic. Output Cord w/8P Interconnecting Jack
- ⑭ Lead-wire for releasing of Non-Modulation Prevention
- ⑮ Battery Cover
- ⑯ Power Cord
- ⑰ Mic. Interconnecting Cable (Separately available)

-ACCESSORIES-

- ⑱ Wind-Shield
- ⑲ Power Feeder Connector
- ⑳ Double-Side Adhesive Tape
- ㉑ Magic Tape



HOW TO MOUNT AND CONNECT:

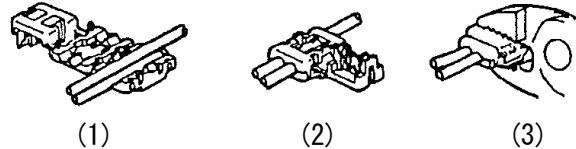
1. Fasten the mounting hardware② to sun-visor or fix it to any convenient Place with setscrew.
2. Mount the switch box⑤ to the convenient place to control by double-side adhesive tape provided. (Cut the tape to half size and put them onto the both ends of case.)
3. Connect the Mic. Cord with Pin plug③ to the Mic. Input Pin Jack④ coming from the control box⑪.
4. Connect the suitable microphone interconnecting cable⑰ separately available to the Mic.

Output Cord^⑬ and to the transceiver. (The Mic. Interconnecting cable has a directional characteristic. Be sure to check it before connecting.)

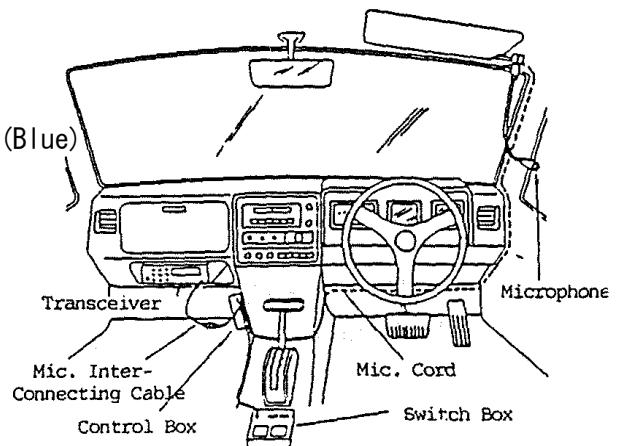
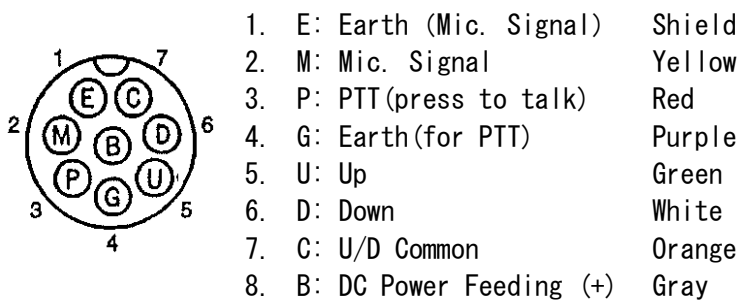
5. Mount the Control Box^⑪ to the suitable place without any trouble for driving, by magic tape.

HOW TO CONNECT POWER FEEDER CONNECTOR (Wire-Self-Strippable Type) :

1. Put the (+) side power cord of transceiver and microphone power cord (Red color) on the grooves in the connector.
2. Fix them tentatively.
3. Press the insulation cover down to be locked with pliers.



TERMINAL CONNECTION OF OUTPUT CORD (Interconnecting Jack) :



HOW TO USE:

- When pushing the PTT Switch^⑥, the condition is kept at transmitting.
- Immediately after pushing the PTT switch, the sound 'Pip' from control box informs of changing the condition to TX, then, TX indicator^⑩ lights up.
- To keep TX condition, push the Lock Switch^⑦. It sounds 'Peep' and the LED TX indicator Lights up continuously. To reset to RX condition, push the PTT switch.
- UP Switch^⑧ and the DOWN Switch^⑨ are the same function as those of the microphone provided with transceiver.
- Keep the distance of 10cm or less between your mouth and the microphone.
- The Output level is factory-preset to optimum level. However, when you cannot get optimum level of modulation, please re-adjust it. Turn the adjusting volume^⑫ to clockwise with minus driver carefully for volume increase and to anti-clockwise for decrease under monitoring by local station.



NON-MODULATION PREVENTION CIRCUIT:

In case you push the Lock switch without any intention, the condition of Non-Modulation will continue and makes trouble for other local stations. TO prevent such a condition, the alarm circuit will activate after 2 or 3 minutes' TX condition with alarm sound. After 30 seconds of sounding, the condition will be changed to RX mode. If you prefer to stop the sounding and to continue transmitting, please push the LOCK Switch^⑦ again.

WHEN YOU WANT TO RELEASE THE NON-MODULATION PREVENT CIRCUIT:

Please cut the lead-wire^⑭ for releasing the non modulation prevention circuit.

SEC

POWER SUPPLY:

The 3-Way Power Sources.

- When using battery, put the 2 pieces of UM3 batteries into the case after removing the battery cover⑮. In case you can find the following conditions, please change the batteries.
 1. The TX Indicator⑩ becomes dark.
 2. The electronic sound from control box becomes lower.
 3. The alarm sound of Non-Modulation Prevention Circuit goes down.
- When operating with Car battery(DC12V), connect the Power Cord⑯ with the Power Feeder Connector ⑲ to (+)side of the transceiver.
- When getting the DC Power from transceiver.
IF the transceiver Mic. connector has a output of DC Power feeding, DC5V ~ 9V 50mA, "D" Series Interconnecting cable, optionally available, can be connected directly with getting the DC Power transceiver microphone connector. The wiring of power feeding line ⑯ is not required.

RE FEEDBACK NOISE:

When transmitting with low power, the noise may be negligible. But, when transmitting with high power, there are possibilities to have abnormal modulation interference with offensive sound and other noise. In such a case, the bad matching between antenna and coaxial cable may cause the problem, i.e., the Standing Wave effects onto microphone cable. To get better condition, please do not place the microphone cable in parallel to the antenna coaxial cable. Also please check the SWR between antenna and transceiver.

CAUTIONS:

- Please do not beat the microphone when adjusting the output level and at QSO.
- Regarding the microphone interconnecting cable, please be sure to use "ADONIS" Microphone Interconnecting Cables, separately available.
- The Alkaline Batteries are recommendable to this microphone.
- Please keep microphone away from high temperature and moisture area.
- We may notify this Unit to have better Specifications and design Without any advance notice.

SPECIFICATIONS:

- High Quality Electret Condenser Microphone : 1piece
- Flexible Gooseneck : 8mm ϕ (Total Length:280mm)
- Microphone Cord : 3m
- In/Output Cord(w/8P Interconnecting Jack & RCA Jack) : 70cm
- Matching Output Impedance : 500 Ω ~ 100k Ω
- Output Voltage : 0 ~ 50mV (RMS)
- Power voltage
 - Battery (UM3 batteries \times 2) : DC3V
 - Power Cord : DC5~15V
 - "D" Series interconnection cable : DC5-15V
- Alarm Sound : Approx. 4.5KHz (Intermittent Sound)
- The Releasing of Non-Modulation Prevention Circuit : By Cutting the Lead wires
- Switch Box Size : 12 (H) \times 52 (W) \times 55 (D) mm
- Control Box Size : 22 (H) \times 67 (W) \times 110 (D) mm
- Weight : 330g