

TECHNICAL & OPERATION

MANUAL FOR F117A



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INTRODUCTION

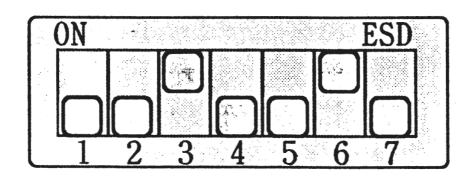
RADIO COMMUNICATION IS A KIND OF CONVENIENT MEDIUM, BUT IT IS VERY EASY TO BE WIRETAPPED. YOU CAN APPLY MANY METHODS SUCH AS SECRET CODES, NUMBERS OR SIGNS FOR SECURITY. BUT THERE ARE MANY DISADVANTAGES.

BECAUSE FOR EMERGENCY CASE, IT USUALLY NEEDS TO COMMUNICATE BY USING OPEN WORDS. THEREFORE, THE F117A IS THE BEST CHOICE FOR YOUR TRANSCEIVER.

CHAPMER 2

WORKING PRINCIPLE

THE F117A USES THE NEWEST DSP (DIGITAL SIGNAL PROCESS) TECHNICS AND COMPRESSION DEMODULATION METHOD. ITS NUMBER OF CODES CAN REACH 128 SETS. (REFER TO THE BELOWING DIAGRAM)



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PEATURES

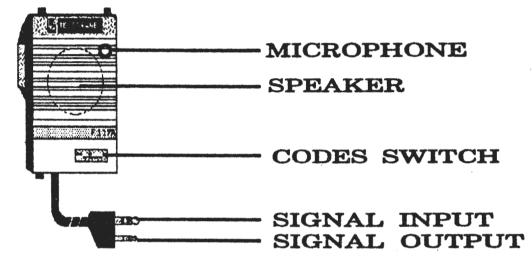
1. POWER CONSUMPTION:

1	STAND-BY	RECEIVING	: RECEIVING
;	(SQ OFF)	: (SQ ON MIN VOL)	(SQ ON MAX VOL)
RECEIVING	18 mA	18mA	: 200mA
TRANSMITTING:	12 n A	t	1

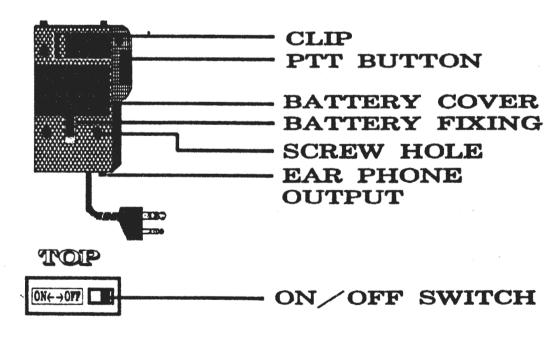
- 2. CODES: 128 SETS (7 BITS).
- 3. SUITABLE MODELS: 'STANDARD',
 'YAESU', 'ICOM' AND ANY OTHER
 BRAND MODLE WITH MODIFICATION.
- 4. BATTERIES: UM-5 X 3.
- 5. WEIGHT: ABOUT 115 GRAMS (WITH BATTERIES).

CHAPTER 4 CONFIGURATION

FRONT SIDE



BACK SUDIE



PAGE 4

HOW TO USE THE DEVICE

- 1. SET THE POWER SWITCH OF FLITA 'OFF'.
- 2. PUT IN 3 PCS OF UM-5 BATTERIES AND NOTE ITS DIRECTION. THE POSITIVE IS '+' AND THE NEGATIVE IS '-'.
- 3. SELECT THE CODES AND TURN THE SWITCH 'ON'. * NOTE: THE CODES SHOULD BE SAME FOR BOTH TWO PARTIES.
- 4. MAKE SURE BOTH TRANSCEIVERS ARE IN GOOD CONDITION, THEN INSERT THE PLUG OF FLITAL INTO THE RECEPTACLE OF TRANSCEIVER AND COMMUNICATE WITHOUT SCRAMBLER FUNCTION.
 - * NOTE: NOW THE SWITCH OF F117A IS ON 'OFF'.

- 5. TRY TO COMMUNICATE WITH SCRAMBLER FUNCTION (NOW THE SWITCH OF FLITA IS 'ON'). WHEN PRESSING 'PTT' BUTTON, IT WILL BE READY FOR 'TRANSMITTING', AND THEN RELEASE THE BUTTON, IT ENTERS 'RECEIVING' FUNCTION.
- 6. WHEN YOU PRESS 'PTT' BUTTON, SHOULD WAIT AT LEAST 1 SECOND, THEN START TO COMMUNICATE, IF YOU TALKED AT ONCE, IT WILL CAUSE THE OPPOSITE CAN NOT DECODE IMMEDIATELY AND CONVERSATION CAN NOT BE HEARD AT THE TIME OF BEGINNING.
- 7. THERE IS NO VOLUME CONTROLLER ON FILTA.
 THEREFORE, THE VOLUME IS CONTROLLED BY
 TRANSCEIVER KNOB, AND IT IS USUALLY SET
 ON THE LOCATION OF ONE FIFTH OF FULL

- VOLUME.
- 8. WHEN APPLICATION IS FINISHED OR STAND BY, PLEASE TURN THE POWER SWITCH 'OFF' UNTIL THE OPPOSITE ANSWERS, AND THEN TURN IT 'ON' TO SAVE POWER.
- 9. TAKE THE BATTERIES OFF, IN CASE OF NOT USE FOR A LONG TIME.
- 10. WHEN ELECTRICITY OF BATTERY IS POOR,
 THE OUTPUT VOLUME BECOMES WEAK AND THE
 TIME OF SYNCHRONIZATION BECOMES LONGER.
 AT THIS TIME, THE WHOLE BATTERIES
 SHOULD BE REPLACED

CHAIPINER 6

us notes

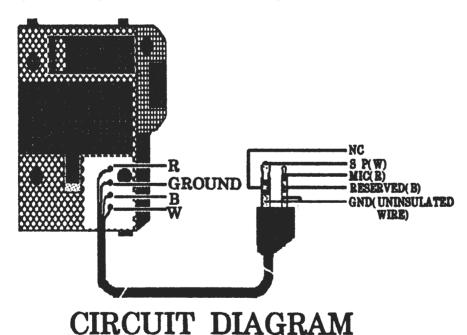
- 1. YOU CAN GET THE BEST VOICE, IF THE DISTANCE IS KEPT ABOUT 3CM BETWEEN F117A AND YOUR MOUTH.
- 2. TRY NOT TO USE THE DEVICE IN THE WINDY OR TOO NOISY PLACES.
- 3. IF THE SWITCH OF YOUR PLITA IS 'ON',
 BUT THE OPPOSITE SWITCH IS 'OFF' OR
 WITHOUT USE OF PLITA, YOU ALSO CAN
 RECEIVE CLEARLY. IN SUCH CASE, YOU STILL
 CAN COMMUNICATE WITH OTHERS, IF TURN THE
 FILTA SWITCH OFF.
- 4. IN ORDER TO SAVE THE POWER, THERE IS NO

- TRANSMITTING LAMP ON FALTA. SO PLEASE REFER TO INDICATOR OF TRANSCEIVER.
- 5. THE INDICATION OF RECEIVING STRENGTH WHEN APPLIED FLIDA MUST BE OVER 0.7 μV (ABOUT 3 COLUM), OTHERWISE IT IS DIFFICULT TO SYNCHRONIZE, AND CAN NOT TO BE USED. HENCE THE DISTANCE OF COMMUNICATION IS SHORTER.
- 6. IF THE DEVICE CAN NOT BE USED AS NORMAL, PLEASE REFER TO CHAPTER 8 'PROCEDURES WHEN MALFUNCTION OCCURRED'.

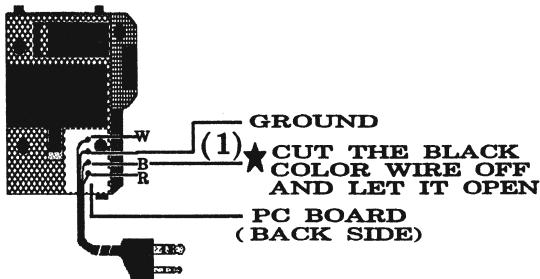
CHAPPER 7

HOW TO MODIFY

1. FLIVA IS COMPATIBLE WITH BRAND 'STANDARD', 'YAESU', 'ICOM' TRANSCEIVER EXCEPT C520, C620. THE FOLLOWING DIAGRAM IS STANDARD CONNECTION OF FLIVA.



2. FOR 'KENWOOD' SERIES EXCEPT TH-75 MODEL, IT MUST BE MODIFIED AS THE FOLLOWINGS:



- (2)

 ★ R & W EXCHANGED POSITIONS.
- 3. FOR BASE-STATION TYPE TRANSCEIVER, YOU HAVE TO CUT THE ORIGINAL PLUG OFF AND PREPARE ANOTHER CONNECTOR AND DO AS THE ABOVE MODIFICATION.

PROEDURIES WHEN MAILFUNCTION OCCURRED

IN CASE OF MALFUNCTION HAPPENED, PLEASE DO AS FOLLOWINGS:

- 1. INSPECT THE VOLUME OF TRANSCEIVER WHETHER IT IS APPROPRIATED, ON THE SITE OF ABOUT ONE FIFTH OF FULL VOLUME.
- 2. THE PLUG WHETHER IT IS INSERTED CORRECTLY.
- 3. THE CODES OF BOTH PARTIES WHETHER THEY ARE SAME EXACTLY.
- 4. THE TRANSCEIVER, WHETHER IT BELONGS TO SUITABLE MODELS? 'STANDARD', 'YAESU' OR 'ICOM'.
- 5. INSPECT THE BATTERIES WHETHER THEY ARE POOR ELECTRICITY.
- 6. INSPECT 'PTT' BUTTON WHETHER IT HAS BEEN LOCKED.
- 7. CHECK THE DISTANCE OF COMMUNICATION, WHETHER IT IS OVER THE RANGE.