KW 107 Supermetah

The EMIO7 SUPERMetch is a combination of the follow IN products, all in one cabinet:

- INTON SHEAMATT Hatar
- IN Antenna Switch
- IN Damy Lond

for the KNLO7 SUPERMatch is the permanent commettion of the KN hesp Doublet for 80 and 10 matre operation and for transmission, if required. antema selector switch. E-2 Match, by using the "Direct" positions of the band conditions, the antenna can be switched direct to mans of the selector switch. a Briband Bean for 10, 15 and 20 me tree. are two pairs of sociats for use with balanced feeders the E-Z Match, to two different antennas. two ranges, 0-100 and 0-1000 watta. antenna is connected for matching by means of the Lond oan WITH UN matched to an anterna system and provides additional intenna can be evitched to the appropriate band by these sociate to the coardal sockets at the rear of the Unit, there Standing Mays Ratio on the antenna can be compared protection against TVI, over the bands 10-80 metres. IN Vespa, IN204, IN1000, IN202, etc. The cabinet is the man as used for the EW20004/B AC SUPERMatch enables the output of a transmitter to be 2 Match circultry. or Supply and exactly matches the Receiver, without the mecessity of re-tuning the provides output from the transmitter, through 2 Match. to two different antennas. In addition purely resistive dumny load or the dumny be used to load a transmitter before the are not suitched. The Wattenter These positions can be used For an easy check on A popular arrangement is calibrated in The Selector TANSOOTAN IN IN The ENLOY The correct

> ANT. B DIRECT. following positions - Dusmy Load, ANT. A DIRECT, ANT. A BOVIO, ANT. A 20015/10, ANT. B 20015/10, way three pole heavy duty ceramic switch, with the with slow motion drives. The main switch is a sin Controls used for tuning the E-2 Match are equipped ranges 0-100 watts and 0-1000 watts. The two Tuning FRONT PANEL The controls on the front panel are MARTER SEASITIVITY for setting the SAR Meter to full scale when meter switch is in FWD. "FWD-RFLD-HIDHcalibrated in Standing-Mave-Ratio and Watts with two See Reverse voltage, MATIMETER high power and WATT-METER low power. The meter is 3-1/4, square, directly LOW" for switching the mater to SMR Forward voltage. "FAD-RFLD-HICH-

transmitter is connected. A spare supplied). Mounted on the rear panel are three SG2 39 sockets for the antenna connections including Teeders. for an extra socket, if required. Two pairs of one for the input socket to which the output of the type and require PI259 matching connectors (not erminals are also provided for use with balanced EAR PANEL All constal sockets are S0239 (UHF hole is provided

simple modification to the circuits provided. ranges, 50-40 metres and 20, 15 and 10 metres. nals. Other be arranged so that the appropriate autenna is internal and external connections of the KW107 must han two antenna systems can be accommodated by unnected to the antenna tuner proper output ternipossible arrangements for using Bands are covered in 2 -F

apply mainly to the 3-2 Match ATU. the unit is suitable for transmitte and 80 matres. <u>OBNERAL CHARACTERISTICS</u> The KALO7 SUPERMatch will match an antenna feed impedance of approx. 30-2500 ohms on 10-15 and 20 metres and 30-1000 ohms on 40 Power restrictions on the unit transadtters with 154 PEF This part of

Note: that the appropriate terminal can be grounded for the coarial line. The kritte switch make be sounded CLCGS to the SUFERMatch so that the ground head is SUE: USE OF BALANCED FRED LINES If LOO-600 ohn balanced feeders are used for both 80/140M antemms, and the A KW ANTENNA SWITCH. outlets provided on the KM107 SUPERMatch by employing USE OF MORE TEAN INC ANTENNAL Op-to-three-additional antennas can be switched on the 20/15/108 on M/828 Bould an antenna te suphoyed, using 75 ohn tein reeder, we recommend a Balun (buch as the B Bulun 75/75 ohn) be used and mounted thereid a the the for one antenna and balanced feeders are also used by THE SAME RANCE, a DFST Knife Saitch must be used so MADE TO BOTH OUTFUIS. When a contine feeder is usin the Balun "Antonna" connections. at rear of MAIOT. ouble between input to Balun mant SO239 sockets A or B KM107 SUPERMatchi DO NOT OFERATE the KWIO7 SUPERMatch with CONNECTIONS 20/15/10 matre antenna, appropriate knife svitches (DPST) must be used to disconnect the unused feeders) In sawith such to be connered to the control When may convice doors, one of the pair of The twin feeder is terminated at Connection by about 6-thches"co-as At the second se 10 Carefully remove the unit from the cabinet as follows: INSTRUCTIONS for removing Californ cabinet). Use the correct size screw driver Namove two front feet. so it will not get scratched. int the onbinet sails and away from the work ares the painted dost escutcheon ring. front of the cabinet taking care not to scratch slowly wid carefully slide the wait out of the which is not blunted to remove this sorew. of the cabinet (take care not to damage the Remove the nickel-plated sures on the top front cabinet. Remove two serveys at the borton rear of the These instructions to set apply

and as the other and of the scale, 50 mets 720 states and a indication. The Solarize States where are correate and are oversed with within their mitings them indications in observed. It is recommended that reduced power is used when adjusting the Sol Match, writh a good SMR is achieved.





2. If the enterna Set is high, and it is not possible to achieve a 1rl Set through the Turner, largthening or shortwaring the feed line may make a match possible.

54







kw107 #5.gif (1755x1256x2 gif)