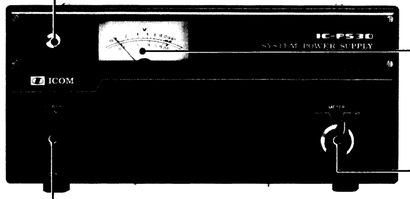
FUNCTIONS



POWER INDICATOR
Illuminates when power is ON.

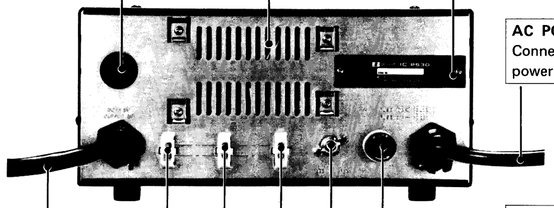
METER
Indicates supplied voltage and total consumption current. The meter functions are switched by the meter switch.

METER SWITCH
Switches the meter function for measuring the supplied voltage (Vo) or total consumption current (Io).

POWER SWITCH
Turns ON and OFF the power of this power supply.

OPTIONAL CABLE APERTURE
An optional DC power cable capable up to 20A, can be installed at this position. At this time, take care that the total consumption current does not exceed 25A.

COOLING FAN



NAME PLATE
Under this name plate, two apertures are provided for universal terminals. If you would like to install universal terminals, remove this name plate.

AC POWER CORD
Connect the AC power plug into an AC power outlet.

FUSE HOLDER
Fuse holder for the AC power line. If the fuse blows, replace with a 10A (at 117V) or 5A (at 240V) fuse after checking the cause of the problem. Use a philips (+) screwdriver to open the holder. The outside ring of the holder can not be rotated.

GROUND TERMINAL
Ground this terminal with as short a wire as possible to protect from electrical shock.

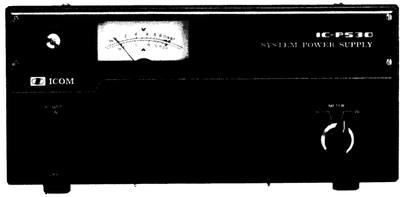
DC OUTPUT SOCKETS
DC 13.8V is available at up to 6A from each. Connect DC power cables of your transceivers with supplied plugs.

DC OUTPUT CABLE
DC 13.8V is available at up to 20A. Connect this plug to DC power socket of a suitable transceiver.

ICOM

IC-PS30
AC POWER SUPPLY

INSTRUCTION MANUAL



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ICOM INCORPORATED
1-6-19, KAMI KURATSUKURI, HIRANO-KU,
OSAKA JAPAN

A-0502
Printed in Japan

ICOM

Congratulation on the purchase of the ICOM's IC-PS30 AC power supply for the matching Transceivers. This AC power supply utilizes a newly developed switching regulator system, resulting in light weight and high efficiency.

■ SPECIFICATIONS

● **Number of Semiconductors:**	Transistor	5
	IC	2
	Diode	9
● **Input Voltage:**	117/240V AC (50/60Hz)	
● **Allowable Voltage Fluctuation:**	±10% of input voltage (suitable line voltage)	
● **Input Capacity:**	430W (at 25A load)	
● **Output Voltage:**	13.8V	
● **Max. Load Current:**	25A (10 minutes ON/10 minutes OFF 50% duty cycle)	
● **Polarization:**	Negative ground	
● **Dementions:**	110(H) x 241(W) x 300(D) mm	
● **Weight:**	Approximately 5.0 kg	
● **Accessories Included**	Spare fuse (10A for 117V, 5A for 240V)	2
	2P Connector Housing	3
	Connector's Pin	6

BEFORE USE

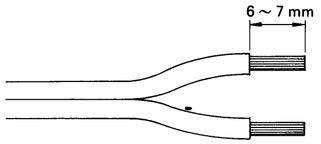
This power supply is designed to use with a 100W transceiver and two or three 10W - 25W transceivers, which work at 13.8V DC.
As this unit provides 25A maximum capacity at 13.8V DC, it is recommended that you do not use this unit with other than matching ICOM transceivers, even for experimental purpose.

This unit has a output cable with 6-pin connector capable 20A for a fixed use transceiver such as the IC-751, IC-745, IC-740, IC-730, IC-720A, IC-271A/E, IC-471A/E, IC-251A/E, IC-451A/E etc., and three 2-pin output connectors capable 6A each for mobile use transceivers.
However, don't exceed total consumption current than 25A at any moment.

2-PIN CONNECTOR ASSEMBLY

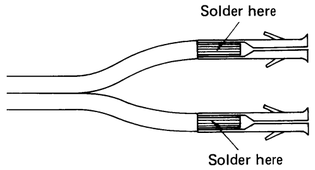
When you want to use a 2-pin output connector for a transceiver, attach a supplied connector to the end of the DC power supply cord of the transceiver. An assembling procedure is as follows:

1. Remove vinyl jacket of the DC power cord leads about 6mm each.

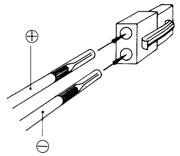


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2. Attach a supplied connector pin to each end of the DC power cord leads. Solder at the jointing point, then clamp the crimpers of the pin.



3. Insert the pins into a supplied connector housing observing proper polarity so that the pins are fixed in the housing by the barbs of each pin.



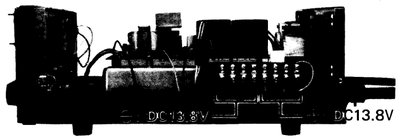
HOW TO USE

Connect the DC output plug (1) of this unit to the transceiver's power socket and/or the DC power cords of the transceivers to the DC output sockets respectively, as shown in the following figure. At this time, make sure that:

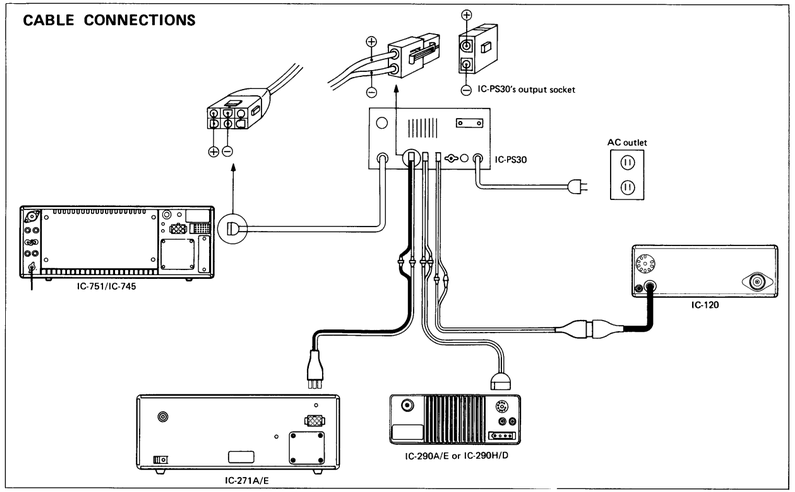
1. The power switch on each transceiver is OFF.
2. The T/R switch on each transceiver is in the receive position.
3. The PTT switch on each microphone is not depressed.

Connect the AC power plug of the unit to an AC power outlet. Turn the power switch on the front panel ON, and the power indicator and the meter will be illuminated and the meter will indicate the output voltage if the meter switch is in the Vo position.

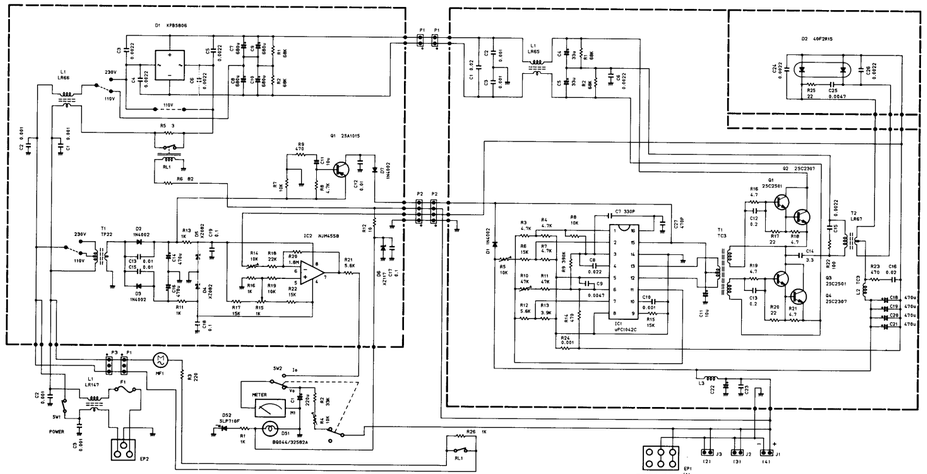
POLARITY OF INTERNAL TERMINALS



CABLE CONNECTIONS



SCHEMATIC DIAGRAM



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