

ICOM

HF/50 MHz ALL BAND 1 kW LINEAR AMPLIFIER

IC-PW1



• Controller attached



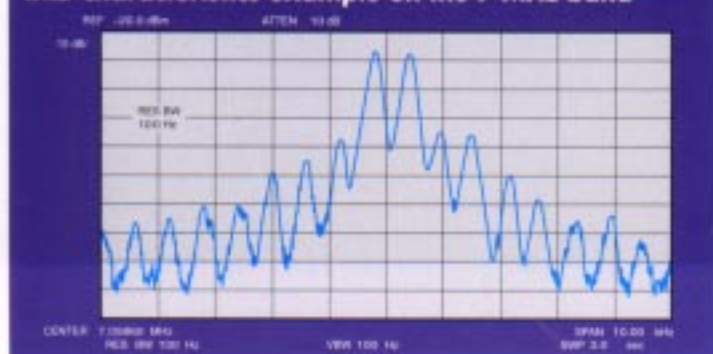
The power you need... to succeed!

Wide frequency coverage with 1 kW output*

All HF bands plus the 50 MHz band are covered. The IC-PW1 provides a stable, clean and low distortion 1 kW from 1.8 MHz to 50 MHz*. In addition, full duty cycle (even during more demanding RTTY or SSTV operation) and full break-in operation are possible. Great for DX'peditions or contest operation.

*Guaranteed within amateur bands only.

IMD characteristics example on the 7 MHz band



Wide ALC adjustable range

Internal circuitry allows the ALC to be adjusted over a wide range. This means that the IC-PW1 can be used with almost any HF, 6 m or HF/6 m rigs—not only Icom rigs!

*Ask your dealer about usable exciters.

Compact body

Dimensions, including amplifier, power supply, tuner and controller, are only 350(H) × 269(W) × 378(D) mm*. And, because the controller is detachable, the IC-PW1 can be installed almost anywhere in your shack.

*6²⁵/₃₂(H) × 2²⁵/₃₂(W) × 9¹/₁₆ in.

Other outstanding features...

- Automatic antenna tuner built-in
- Automatic AC input voltage selector is employed
- Current (Io), Voltage (Vo), temperature, SWR and output power protectors are available

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage (MHz):

1,800– 1,999	3,500– 3,999
7,000– 7,300	10,100– 10,150
14,100– 14,350	18,068– 18,168
21,100– 21,450	24,980– 24,990*
28,000– 29,000*	50,000– 54,000
- *Inhibited for USA version.
- Power supply requirements: 180–264 VAC or 90–132 V AC (single-phase; 50/60 Hz)
- Current drain: Less than 15 A (max. output at 200 V)
Less than 20 A (max. output at 100 V)
- Usable temperature range: –10°C to +40°C;
+14°F to +104°F
- Duty cycle: Full duty
- Input connector: SO-239 × 2 (90 Ω)
- Output connector: SO-239 × 4 (50 Ω)

LINEAR AMPLIFIER

- Output power:

AC Input	180–264 V AC	90–132 V AC
CW, RTTY	1 kW	500 W
SSB	1 kW PEP	500 W PEP
- Driving power: Max. 100 W
- Spurious emissions: Less than –60 dB (HF bands)
Less than –70 dB (50 MHz)

ANTENNA TUNER

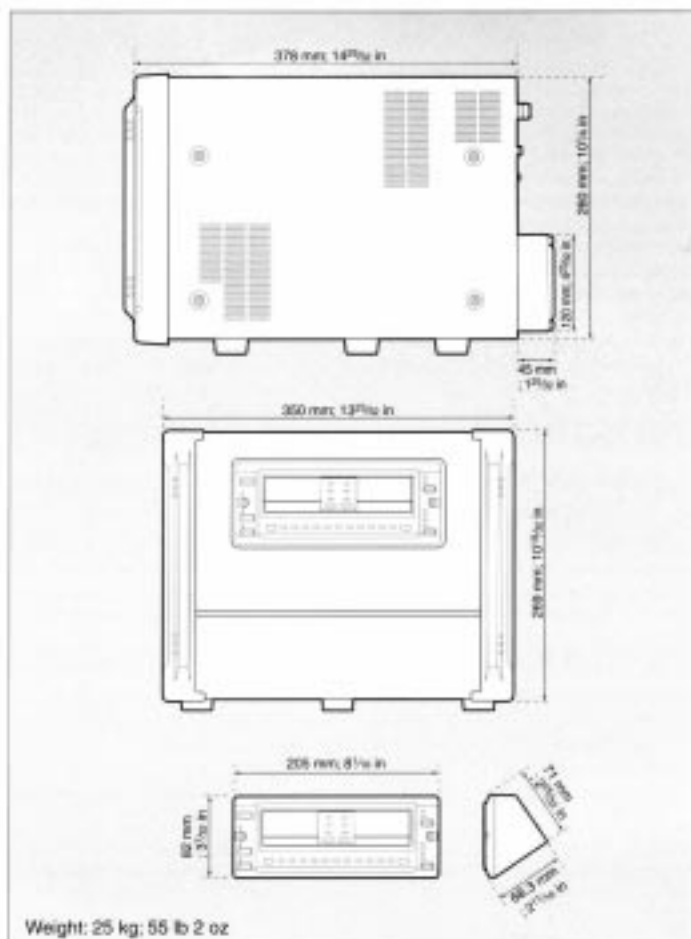
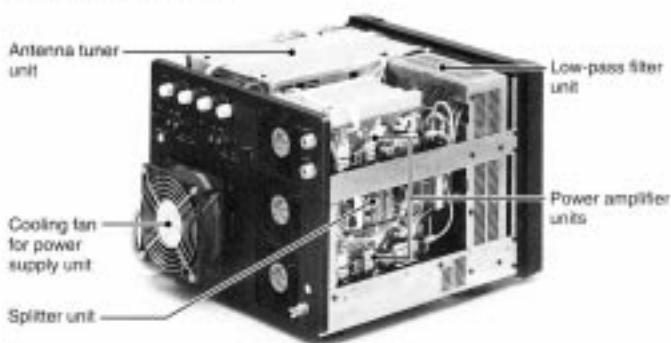
- Output matching range: 16.7 Ω to 150 Ω (HF bands)
20.0 Ω to 125 Ω (50 MHz)
- Auto tuning accuracy: VSWR 1.5:1 or less
- Min. required input power: 60 W
- Insertion loss: Less than 1 dB (after tuning)

Supplied accessories:

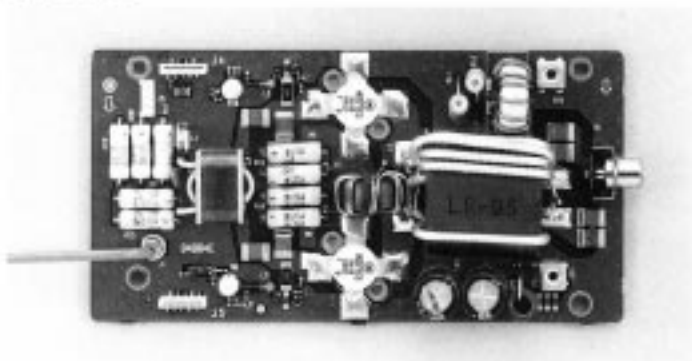
- Controller separation cable
- Coaxial cable with PL-259 plugs
- ACC cables

All stated specifications are subject to change without notice or obligation.

INTERNAL VIEW



PA UNIT



Icom Inc. 6-9-16, Kamihigashi, Hirano-ku, Osaka 547, Japan Phone: 06 793 5302 Fax: 06 793 0013

Count on us!

Icom America Inc.

Corporate Headquarters
2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.
Phone: (425) 454-8155 Fax: (425) 454-1559
Telex: 152210 ICOMAMER BVUE

Customer Service
Phone: (425) 454-7019

Icom Canada

A Division of Icom America Inc.
3071 45 Road, Unit 9, Richmond, B.C., V6X 2T4, Canada
Phone: (604) 273-7400 Fax: (604) 273-1900

Icom (Australia) Pty. Ltd.

A.C.N. 006 992 575
290-294 Albert Street, Brunswick, Victoria, 3056, Australia
Phone: 03 9387 0696 Fax: 03 9387 0022

Icom (Europe) GmbH

Communication Equipment
Hinningsgraben Str. 100, D-40225 Düsseldorf, Germany
Phone: 0211 346047 Fax: 0211 333639

Icom Telecomunicaciones S.L.

"Edificio Can Castanyer" Ctra. Gracia a Manresa km. 14,750
08190 Sant Cugat Del Valles Barcelona, SPAIN
Phone: (3) 589 46 62 Fax: (3) 589 04 46

Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay, Kent, CT6 BLD, U.K.
Phone: 01227 741741 Fax: 01227 741742
Telex: 317210 BUREAU G

Icom France S.a

Zac de la Plaine, Rue Brindejonc des Moulins
BP 5804, 31505 Toulouse Cedex, France
Phone: 561 36 03 03 Fax: 561 36 03 00
Telex: 521515 ICOM FRA

Your local distributor/dealer: