



F1721 (VHF) OR F2721(UHF) SERIES HIGH POWER UPGRADE KIT

110W VHF MOBILE KIT 100W UHF MOBILE KIT



"HPUK" High-Powered Mobile VHF or UHF Upgrade Kit

- **Comes Completely Assembled:**
 - Radio
 - Amplifier
 - Mounting Brackets
 - Cooling Fans
- **Plug and Play Operation**



Icom America Systems

HPUK Specifications

Frequency range (VHF version):	136–174MHz
Frequency range (UHF version):	450–470MHz
Number of channels:	256 channels/ 32 zones
Channel spacing:	12.5kHz
PLL channel step:	2.5kHz
Antenna impedance:	50 Ω
Operating temp. range:	-10°C to +50°C; +14°F to +122°F
Total supply current:	30A @ 13.8V, 110W
Operating voltage:	13.8 VDC. \pm 10%
Duty cycle:	30% (per EIA/TIA-603C)
Cooling:	Forced air (2 thermostatically controlled cooling fans)
Operating humidity:	0% to 85% RH (Non-condensing)
Storage humidity:	0% to 95% RH (Non-condensing)
Fusing:	
Main power cable	50 A
Fans	2 A
Radio	20 A
Amplifier	25 A
Dimensions:	14.25" (L) x 9.0" (W) x 5.4" (H)

Transmitter

Max. frequency deviation:	\pm 5.0/2.5kHz (Wide/Narrow)
Frequency error:	\pm 2.0ppm
Adjacent channel power:	70/60dB min. (Wide/Narrow)
Audio harmonic distortion:	3% typ. (40% deviation)
Modulation limiting:	70–100% of Max. deviation
Load mismatch capability:	3:1 (No oscillation or damage) 5:1 (No damage)

Receiver

Sensitivity:	0.25 μ V typ (12dB SINAD)
Squelch sensitivity:	0.25 μ V typ
Adjacent channel selectivity:	80/75dB typ (Wide/Narrow)
Spurious response:	80dB typ.
Intermodulation:	77/75dB typ (Wide/Narrow)
Hum & noise ratio:	50/45dB typ (Wide/Narrow)
Audio output power:	4W typ
External audio (D-sub):	22W typ. (at 10% distortion w/ 4 Ω load)
External speaker connector:	2-conductor 3.5 (d) mm (1/8")/4 Ω

www.HiTechWireless.com

888-511-5162

All specifications are subject to change without notice or obligation.

Icom America Systems

Systems for People Who Make Smart Choices

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