

APPENDIX

Specifications

General

Frequency range:	118.000 to 136.975 MHz
Channel spacing:	*8.33 kHz / 25 kHz
Mode:	AM (6K00A3E)
Number of memory channels:	99
Acceptable power supply:	13.8 V or 26.4 VDC (Negative ground only)
Usable temp. range:	-30 °C to +60 °C
Frequency stability:	+/- 5 ppm
Current drain:	TX: 6 A (max), RX: 6 A (max), Standby: 260 mA
Dimensions:	W 150 X D 190 X H 50 (mm)
Weight:	1700 g

Transmitter

Output power:	9 W (carrier) typical, 36 W (P-P)
Modulation:	Last stage modulation
Modulation limiting:	70 to 100%
Audio harmonics distortion:	Less than 15% (at 85% modulation)
Hum and noise ratio:	More than 40 dB
Spurious emissions:	-16 dBm or less
Antenna impedance:	50 Ω

Receiver

Receive system:	Double conversion superheterodyne
Intermediate frequency:	1st : 38.85 MHz (Upper) 2nd : 450 kHz (Lower)
Sensitivity (at 6dB S/N):	Less than 1 μ V
Squelch sensitivity:	0.5 μ V (Threshold)
Selectivity	
25 kHz channel spacing:	More than \pm 8 kHz (at 6 dB) Less than \pm 25 kHz (at 60 dB)
*8.33 kHz channel spacing:	More than \pm 2.778 kHz (at 6 dB) Less than \pm 7.37 kHz (at 60 dB)
Spurious response rejection:	More than 60 dB
Audio output power:	More than 15 W (at 4 Ω)
Side tone:	More than 100 mW (at 600 Ω)
Hum and noise:	More than 25 dB
Audio output impedance:	External. Speaker 4 Ω (4 to 8 Ω) Side tone 600 Ω

* Except USA version

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Frequency List (Example of Frequency Versus Display when Using 8.33 kHz Step)

Operating Frequency	Channel spacing (kHz)	Displayed Frequency
118.00000	25	118.000
118.00000	*8.33	118.005
118.00833	*8.33	118.010
118.01667	*8.33	118.015
118.02500	25	118.025
118.02500	*8.33	118.030
118.03333	*8.33	118.035
118.04167	*8.33	118.040
118.05000	25	118.050
118.05000	*8.33	118.055
118.05833	*8.33	118.060
118.06667	*8.33	118.065
118.07500	25	118.075
118.07500	*8.33	118.080
118.08333	*8.33	118.085
118.09167	*8.33	118.090
118.10000	25	118.100
118.10000	*8.33	118.105
etc		

The display at 136.9750MHz (with 8.33 kHz step) will be "136.980".

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Supplied Accessories

(1) MP-1000 Microphone	1
(2) Microphone hanger and screw set.....	1 set
(3) DC power cable (3 m (10 ft)) with 10 A Fuse	1
(4) Mounting bracket kit.....	1
Mounting bracket.....	1
Bracket bolt.....	4
Mounting screw	4
Self-tapping screw	4
Flat washer.....	4
Spring washer.....	4
Nut.....	4

Limited liability warranty

Flightline warrants this product to be free from defects in materials and workmanship for 1 year from the date of purchase or the minimum period described by applicable consumer law.

If the unit is installed by an organization which holds an avionics installation approval from the FAA, and that organization has co-signed and dated the warranty card, the warranty period shall be deemed to commence from the date of installation.

The customer shall be responsible for any transportation costs for return of this product to Flightline.

This warranty does not cover failures due to abuse, misuse, accident, unauthorized alteration, or repairs carried out by parties other than Flightline or an approved Flightline service center. This warranty does not cover failures where the product has not been installed or operated, in accordance with the provisions of the User and Installation manual(s).

It shall be at Flightline sole discretion to decide if a defect is a result of material or workmanship failure.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING ANY LIABILITY ARISING UNDER WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUARY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE, AND COUNTRY TO COUNTRY. IN NO EVENT SHALL FLIGHTLINE BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT.

Flightline may at it discretion, refer product returns for repair or service, to a service facility closest to you. Flightline reserves the right to repair or replace the unit or software or offer a full refund of the purchase price at it's sole discretion.

SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

Supplied by

Flightline

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