LPB

AM-2000

FCC CERTIFIED

100 MILLIWATTS

AM TRANSMITTER

MANUAL

INFORMATION SUPPLIED BY:

Dave Strode Of SANDIES
225 Lincoln Highway Suite 167 Fairless Hills, PA 19030
Phone - 215 547-2570 Fax - 215 701-9197 Email - *www.sandiesusa.com*

Version: 1 August 26, 2014 Compiled By Jeff Morrison

TABLE OF CONTENT

FCC ID # DPD624TA100

LPB AM-2000 Transmitter

This device complies with Part 15 of the FCC Rules. Its operation is subject to the following conditions:
(1) This device may not cause harmful interference; and (2) This device must accept interference that may cause undesired operation.

FCC ID # DPD624TA100

LPB AM-2000 Transmitter

This device complies with Part 15 of the FCC Rules. Its operation is subject to the following conditions:
(1) This device may not cause harmful interference; and (2) This device must accept interference that may cause undesired operation.

FCC ID # DPD624TA100

LPB AM-2000 Transmitter

This device complies with Part 15 of the FCC Rules. Its operation is subject to the following conditions:
(1) This device may not cause harmful interference; and (2) This device must accept interference that may cause undesired operation.

FCC ID # DPD624TA100

LPB AM-2000 Transmitter

This device complies with Part 15 of the FCC Rules. Its operation is subject to the following conditions:
(1) This device may not cause harmful interference; and (2) This device must accept interference that may cause undesired operation.

PRINTED CIRCUIT BOARD TOP VIEW

PRINTED CIRCUIT BOARD BOTTOM VIEW

LPB Communications, Inc.
28 Bacton Hill Road
Frazer, PA 19355
877-LPB-COMM
610-644-8651 Fax
www.LPBINC.com

08/22/00

AM-2000 Bench Test Procedure

(1) When powering up check for meter deflection to full scale and return

(2) U1 right leg should read 10-14V
middle leg should read +/- 1.3V
left leg should read +/- 20V

(3) Connect a frequency counter to TEST POINT 2
allows reading of DIP switches

(4) Far right pot (white) is frequency fine tune – should be able to reach 1.0Hz

(5) Check each switch on the frequency counter to match function

(6) Set frequency to 1200kHz

(7) Adjust L1 to read 0.6 on meter

(8) Set frequency to 700kHz

(9) Adjust L2 to read 0.6 on meter

(10) Set scope to 1000Hz

(11) Connect audio load to input

(12) Set R41 to full counterclockwise position

(13) Set R39 to full clockwise position

(14) Adjust R39 until distortion line on scope is flat

(15) Adjust R41 until flat line begins to rise

LPB AM-2000

Reach Your Audience With Ease

The LPB AM-2000 provides a simple, reliable and affordable solution to reaching a specific regional audience. Whether you wish to announce a sporting event, run a community radio station, or even sell your house, the AM-2000 is the answer. A complete transmission system with antenna, transmitter, power supply and interconnection cables, the AM-2000 can easily be on the air the same day it arrives. Fully compliant with the FCC Rules, the AM-2000 is an FCC Certified unit, with the typical range of a 1000ft radius (coverage depends on individual conditions).

Applications for the AM-2000 have included Community Information, Holiday Light Show Music, Campus Radio Stations, Sports Events, Business Information, Tourist Information, and more. Please feel free to contact the factory for specific information on how to set up your special Narrowcasting station!

Transmission System :	8.5' Steel Whip Antenna 6" x 8" x 4.5" Outdoor Weathertight Locking Steel Enclosure Frequency Agile AM Transmitter (mounted in enclosure) 25' Interconnect Cable (keep your audio inside and transmitter outside) 5.5" x 2.75" x 6" Power Supply and Audio Interface
Frequency Range :	Selectable from 530kHz to 1700kHz
Selection Method :	**Digitally** Synthesized, Crystal Referenced DIP Switch Control
Output Power :	100 milliwatts (maximum permitted by the FCC)
Power Supply :	Standard AC, optionally available for DC and Solar

LPB Communications, Inc.
28 Bacton Hill Road, Frazer, PA 19355 USA
Phone 610-644-1123 • Fax 610-644-8651 • www.lpbinc.com • AM2000@lpbinc.com