

JAN (Joint Army Navy)

| Manual | Specifications |
|---------------|--------------------|
| Make: | Various |
| Model: | |
| Lamp/Bulb: | See Text |
| Exciter lamp: | |
| Threading: | Manual |
| Reel Size: | 400 to 2000 feet |
| Speed: | 24 frames/second |
| Lens: | 2.0", F1.6 |
| Amplifier: | Tube Type 8 watts |
| Speaker: | Built in 5" |
| Weight: | 68 lbs |
| Dimensions: | W 19; H 14"; D 20" |

Manuals available for the JAN include the Operator's manual and the Service Manual.
Both are from USAF issue.

The following JAN material requires Adobe Reader:

JAN's - Converting to Xenon

JAN's - Shipboard Theater Installation

JAN's - Standardizing and Identifying

The JAN (JOINT ARMY NAVY) projector resulted from a government commission that was established by the Pentagon in the spring of 1943. The commission was composed of both Civilian and Military (Army & Navy) personnel. As a result of nearly a year of labor, research, and development a Mil Spec was developed. This mil spec eventually was the basis for the design, and manufacture of the machine known as the JAN. Contrary to some reports the machine was initially developed as a single piece machine. All variations of this machine were technically not JAN projectors. Over the years each branch of the service developed its own particular needs and variations of the original spec. were produced.

The manufacturers of JAN's included the following companies: De Vry, Bell & Howell, Ames Manufacturing Co., Viewlex Mfg. Co., Lumen Electric Co., Federal Manufacturing Co., International Cinema Eq. Co., and Cine Products Supply Co.

Bell & Howell manufactured and sold a commercial version of the JAN under it's model number 614. Certain military features not required in the commercial field were removed and reduced weight. Note that the Military version weighed in at 68 lbs and the optional external speaker weighed 57 lbs. The B&H 614 was available with optional magnetic sound and another variation was available for Tele-Cine film chain use. The ruggedness

of the JAN is unquestioned and as late as 1970, B&H was still marketing the machine while over 20,000 were still being used by the Armed Services throughout the world.

International Cinema acquired all the tooling, documentation, and inventory from the Bell & Howell Company in the early 1980's. This material was a compilation of not only the B&H materials but also the De Vry materials as a result of the fact that B&H bought out De Vry. In the Mid 1980s ICEC also acquired all the tooling, documentation and inventory that was held by Cine Products Supply Co... This material consisted of their materials along with those from Lumen Electric Company and Viewlex. As of October, 1999, ICECO has remaining inventory of JAN materials still intact. If anyone is interested in it contact International Cinema Equipment Co. Inc. Miami Fla. 305 573 7339

JAN owners should find the following information helpful.

LAMP REPLACEMENT (INCANDESCENT):

DDB 750 watt 25hr, DFD 1000 watt 10hr, DFT 1000 watt 25hr, DHT 1200 watt 10hr.

HALOGEN SUBSTITUE: BTN 750 watt 500hr, BTP 750 watt 200hr, BTR 1000 watt 250hr

SOUND EXCITER:

The B&H 614 commercial version uses a BSL. All others use the BRX , a 6 volt 1 amp 100hr lamp.

TUBES

12AX7 (2)

6AQ5 (3)

6X4 (2)