KG-84

Military digital line encryptor

The KG-84 is an electronic encryption device developed by the National Security Agency (NSA) in the USA. It was used for ensuring secure transmission of digital data over a variety of networks, such as landlines, satellites, microwave links and Telex lines. The KG-84 was built by Pulse Engineering, Inc. and Bendix.

Two versions of the KG-84 are known. The KG-84A that was mainly used for point-to-point encryption via telephone lines, microwave links and satellites, and the KG-84C that was a Dedicated Loop Encryption Device (DLED).

Both are able to operate in simplex, half-duplex and full-duplex synchronous and asynchronous modes. This NSA Level 1 crypto device is suitable for secret messages up to the level of TOP SECRET, depending on the key-set that is loaded. It is fully compliant with NSA TEMPEST standards.



Compared to the KG-84A, the KG-84C had some interesting extras. It has a variable update counter, improved HF performance, out-of-sync detection (when in synchronous mode), asynchronous cipher text, plaintext bypass, and the European Telex protocol. When used with a suitable digital telephone unit, the KG-84 could also be used for secure voice transmissions.

Data could be handled by the KG-84 in asynchronous mode at rates between 50 and 9600 baud. In synchronous mode, it could even go up to 32,000 baud (or even 64,000 baud when used in combination with an external clock). A later version of the KG-84, the commercial KIV-7, was suitable for even higher data rates.

The KG-84 was a Controlled Cryptographic Item (CCI) but was UNCLASSIFIED when unkeyed. Although most of the military KG-84 units have now been replaced by commercial-off-the-shelf equipment (COTS), such as the KIV-7, or were superseded by modern IP-Crypto equipment, they are not commonly found in museums. The image on this page was taken from a surplus KG-84 front panel. The rest of the machine is, unfortunately, missing.

















Kiv 7 User Manual

RS Peters

Kiv 7 User Manual:

Kiv 7 User Manual Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the power of words has be more evident than ever. They have the ability to inspire, provoke, and ignite change. Such is the essence of the book **Kiv 7 User Manual**, a literary masterpiece that delves deep to the significance of words and their effect on our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall affect readers.

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