



PS-31
Country of origin:
Czechoslovakia

DATA SUMMARY

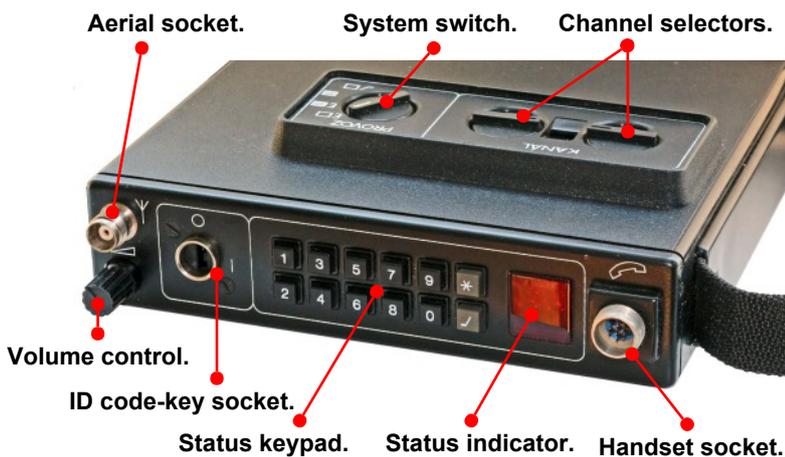
Organisation: State police; Stasi.
Design/Manufacturer: Tesla, Czechoslovakia.
Year of Introduction: Early 1980's.
Purpose: Surveillance, covert operations.
Transmitter-Receiver:
Frequency coverage: 80MHz band, 70 channels: 77.7-79.425MHz. F3, 25kHz channel spacing.
RF output: 1W.
Power Supply: 12V NiCad rechargeable battery.
Size (cm): Height 2.3, Length 8.3, Width 5.3, Weight 2kg.
Accessories: Transmitter-receiver PR-31, handset PO-31, helical aerial PA-31, stationary aerial PA-32, battery, leather carrying case, ID code-key in pouch, user handbook.

REMARKS

The PS-31 was a portable VHF-FM radio set with voice scrambling, status messages and a security ID features, developed and manufactured by Tesla in Czechoslovakia. The set was introduced in the early 1980's and intended for police surveillance, covert operations, observation tasks and secure communication. It was also used by the Stasi, the secret service of the former GDR. A complete set comprised a PR-31 transmitter-receiver, leather carrying case, two types of aerials, rechargeable battery, ID code-key and a handset. The PR-31 was a simplex transmitter-receiver which operated in the 80MHz band. It had provision for 70 pre-determined channels. Each user had a special personal ID code-key for identification. At the start of each transmission, the ID was transmitted to the control station. Two-digit numerical status messages could be transmitted via a numerical keypad fitted on top of the PR-31. Issued with the PR-31 were two different aerials: a long semi-flexible aerial and a flexible helical aerial.



Close-up view of the ID code-key.



Functions of controls PR-31.

Complete PR-31 radio set with helical aerial, handset and protective leather case. The handset contained a combined microphone and loudspeaker. On top of the handset was a push-to-talk switch; at the front a red emergency button. Note the ID code-key with ID label and storage pouch.

References:

This chapter is an abridged version based on a full account of the PS-31, described in www.cryptomuseum.com. Photos taken from the PS-31 held in the collection of the museum and information from their website was published with kind permission of the Crypto Museum, Eindhoven, Holland.