

Sirius III
Country of origin:
Czechoslovakia

Sirius III AC mains power unit (left) and transmitter-receiver (right).
The three sockets on the power unit marked 'power supply' were for connecting the transmitter (1), electronic keyer (2) and Merkur receiver (3).

DATA SUMMARY

Organisation: ŠTB - Štátna bezpečnosť (Secret State Police) and Správa - rozviedka (Government, Department 1, espionage).

Design/Manufacturer: (Government, Department 6, communication technics).

Year of Introduction: Mid 1960s.

Purpose: Agents.

Transmitter:

Circuit Features: CO, Mix, VFO (1.7-1.8MHz), Driver, PA, Calibrator. Telegraphy only. (F1 500Hz shift keying).

Frequency Coverage: 8-16MHz; a version is known operating on 3.2-7.9MHz.

Valves: ECC85, E180F (3x), QE05/40.

RF output: 75W with high speed electronic keyer; 12W manual keying.

Power Supply: AC mains or 12V battery.

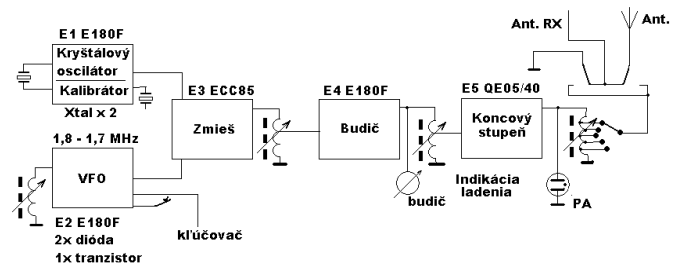
Size (cm): Height 7½, Length 22, Width 12½.

Weight (kg): 3½ including power unit.

Accessories: 'Měsíc' Electronic keyer (magnetic tape for 250 groups), Merkur receiver, AC power unit, DC/DC converter unit for 12V accumulator, crystals, Morse key, ear-piece, power interconnect cables, aerial and earth wire.

Remarks

The Sirius III transmitter was developed and produced as project number TI 526 by Správa 6 - spojovacia technika 1 in the mid 1960s. It was normally associated with the Merkur and Merkur II receivers, and Měsíc Electronic keyer.



Block diagram of Sirius III transmitter.



Sirius III (right) with mains power unit (centre), Měsíc keyer (bottom left), Merkur receiver (above the Měsíc keyer), accessories and spare parts packed for transit in a water-proof metal case.



Top view of interior Sirius III transmitter unit.

References:

- Photographs, scans and general (technical) information was kindly provided by Miro Hornik, OM3CU, Slovak Republic.
- More information on Miro's website: www.om3cu.sk
- Photo of Sirius III in case: Detlev Vreisleben, Germany