



Elbug 'MV' Country of origin: Czechoslovakia

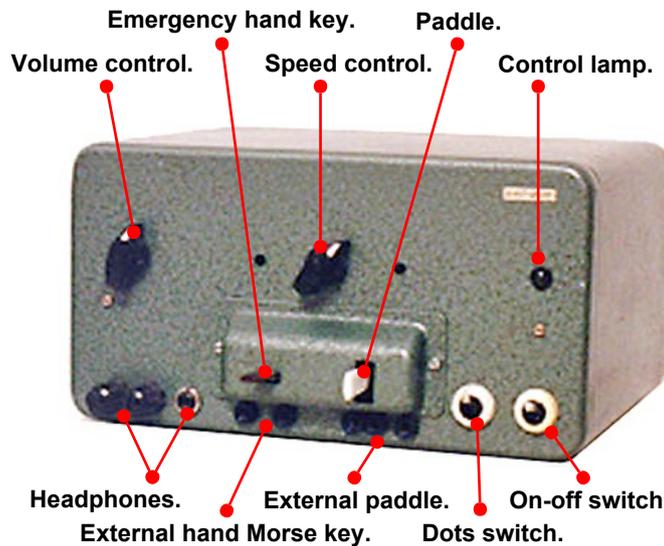
DATA SUMMARY
Organisation: Czech Interior Ministry and Ministry of Foreign Affairs. (Diplomatic Service)
Design/Manufacturer: 6 Správa - spojovacia technika, (Government, department 6, communication technics).
Year of Introduction: Early 1960's.
Purpose: Automatic Morse key.
Valves: ECC81 (3x), 75V stabiliser valve. (2x)
Power Supply: 220V AC mains.
Size (cm): Height 14, length 26.5, width 23, weight 3kg.

REMARKS

The 'MV' (Ministersvo Vnútra = Ministry of Internal Affairs) was an electronic automatic Morse key, also known as 'elbug'. It was developed and produced by 6 Správa - spojovacia technika, under project number SI-103-12418 in the early 1960s and used up to 1975 when replaced by the AK 1 elbug. (See Chapter 86) It was mainly used by the Interior Ministry but also by the Ministry of Foreign Affairs. The circuit of the 'MV' was based on a design by a Danish radio amateur OZ7BO with the addition of an AF generator for side tone.

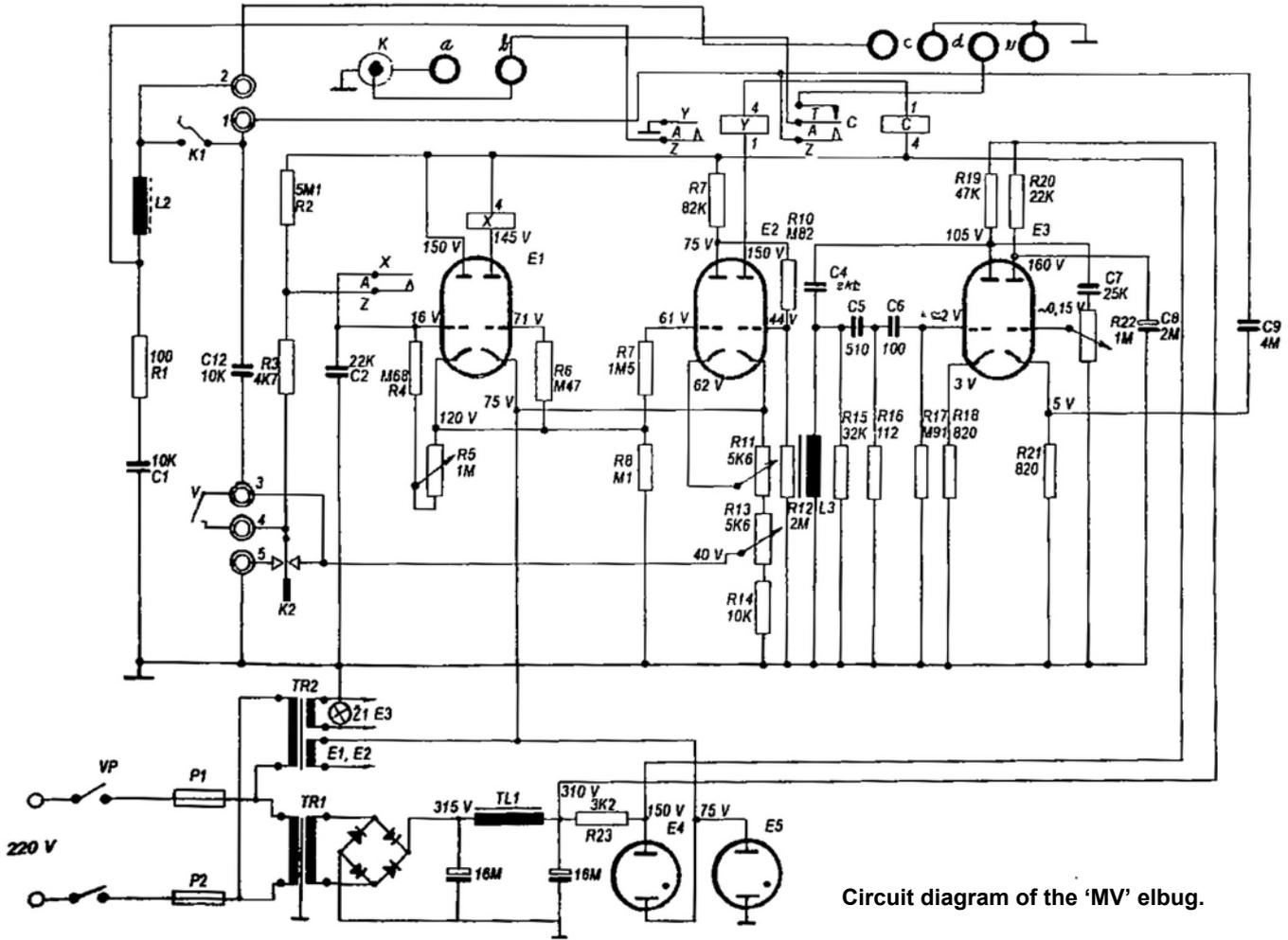


'MV' elbug chassis top view.

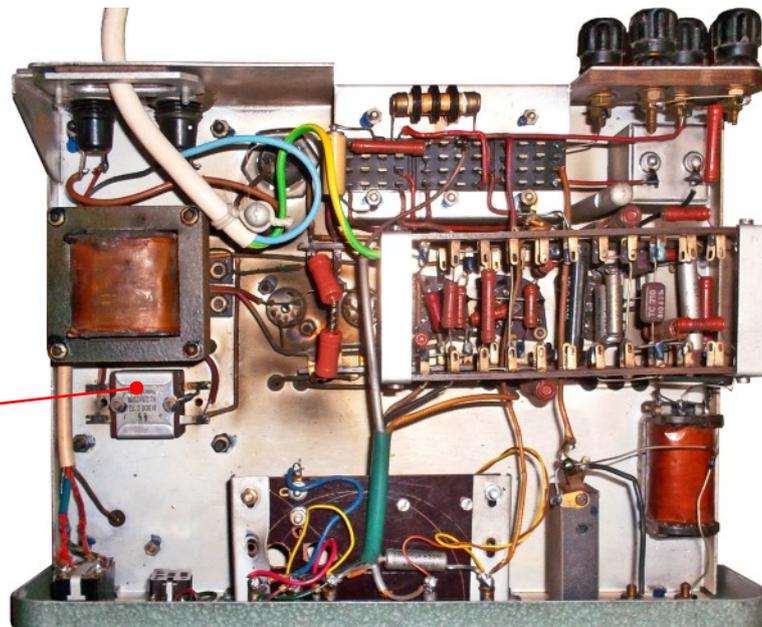


Layout of front panel with explanation of the control functions.

References:
 - Photographs taken from the 'MV' elbug in his collection, scan of circuit diagram and all information courtesy Miro Hornik, OM3CU, Slovak Republic.
 - See also Miro's website: www.om3cu.sk



Circuit diagram of the 'MV' elbug.



Bottom view of the 'MV' elbug showing a very conventional construction. Note the use of a West German Siemens HT bridge rectifier.