



Version A (above): Both units were coupled via two hinges and a single permanently fitted flexible cable.

Version B (below): Two separate units connected via 25-p D connector.



R-353L  
Country of origin:  
Russia

**DATA SUMMARY**

- Organisation:** USSR and Warsaw Pact countries.
- Design/Manufacturer:** USSR.
- Year of Introduction:** 1988.
- Purpose:** Agents and possibly special forces.
- Receiver:**
  - Circuit details:** Triple conversion superheterodyne. Synthesiser control. CW and AM R/T.
  - Frequency coverage:** 3-19.999MHz in 1kHz steps.
- Transmitter:**
  - Circuit details:** Synthesiser control. CW, FSK and MCW.
  - Frequency coverage:** 3-23.999MHz in 1kHz steps.
  - RF output:** No less than 45W.
  - Aerial:** Separate wire aerials for transmit and receive.
- Power Supply:** 100-240V 5-60Hz AC mains or 12V DC.
- Size (cm):** Height 33.4, length 10.5, width 40.7.
- Weight:** R-353-L 12kg; power pack 10.5 kg.
- Accessories:** Operator's lamp, Morse key, AC and DC power cables, miniature earphone, transmitter and receiver wire aerials in lengths of 4 and 8M, counterpoise, AC mains power unit and accumulator pack.

**References:**

- Photographs, scans and information courtesy Detlev Vreisleben, DC7KG, Germany.
- Photo of R-353 courtesy Crypto Museum, Holland.

**REMARKS**

The R-353L was a compact fully transistorised transmitter-receiver developed and produced in the USSR. The transmitter with its 45W, combined with a wide frequency range, was suitable for very long range communications by agents and probably diplomatic missions abroad (hence the English text for the controls on the front panel), and special forces. Included was a programmable high speed keyer capable of transmitting 416 groups of 5 numbers per minute. Two different versions are known to exist of which the actual transmitter-receiver appeared identical: a single unit 'A' version of which both units were coupled by fixed hinges and a two unit 'B' version.



It may be speculated that the R-353L was a much later follow-up of the R-353. (shown above)

