



Coder  
Country of origin:  
Czechoslovakia

**DATA SUMMARY**

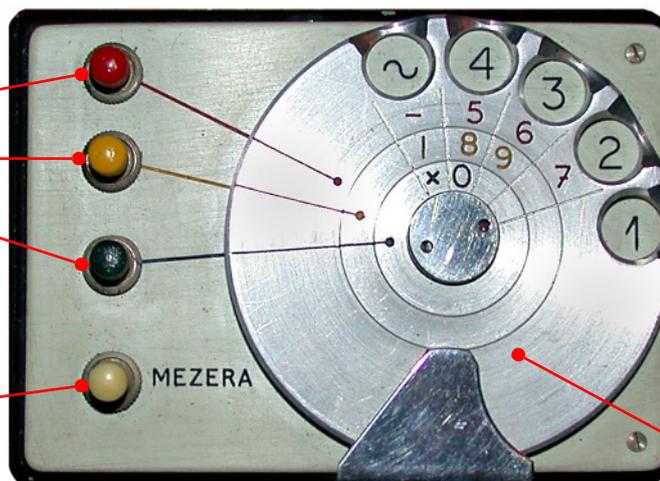
**Organisation:** ŠtB - Štátna bezpečnosť. (Secret State Police) and Správa 2 - kontrarozviedka. (Government, Department 1, espionage).  
**Design/Manufacturer:** Správa 6 - spojovacia technika. (Government, Department 6, communication technics).  
**Year of Introduction:** 1960s.  
**Purpose:** Coder for high speed Morse messages. Used in conjunction with a Uher 4000 report-s 4-speed portable tape recorder.  
**Power supply:** 6V DC, derived from the tape recorder.  
**Size (mm):** Height 42, Length 63, Width 90.

**REMARKS**

The coder depicted in this chapter was developed for preparation of high speed Morse code messages by an agent. Used in conjunction with a Uher 4000 report-s reel to reel tape recorder, the coded tone pulses were stored in the record mode on its lowest speed 2.4 cm/sec, along with a start/stop actuated by the coder. The audio output from the tape recorder at 19 cm/sec in playback mode was speculated to be fed directly into an agents transmitter, a method as used with the Sirius transmitter. See block diagram in Chapter 30, page 2. The coder was based on a modified mechanical pulse telephone dial in combination with a number of push buttons, and a separate button for space between the words. No further details of the exact operation and working principle of this coder is known. The coder is currently held in the collection of the Police Museum in Prague.

Dialled in combination with pressing a button.

- Red button: - 5 6 7
- Yellow button: / 8 9
- Black button: x 0
- No button: ~ 4 3 2 1
- White button: Space



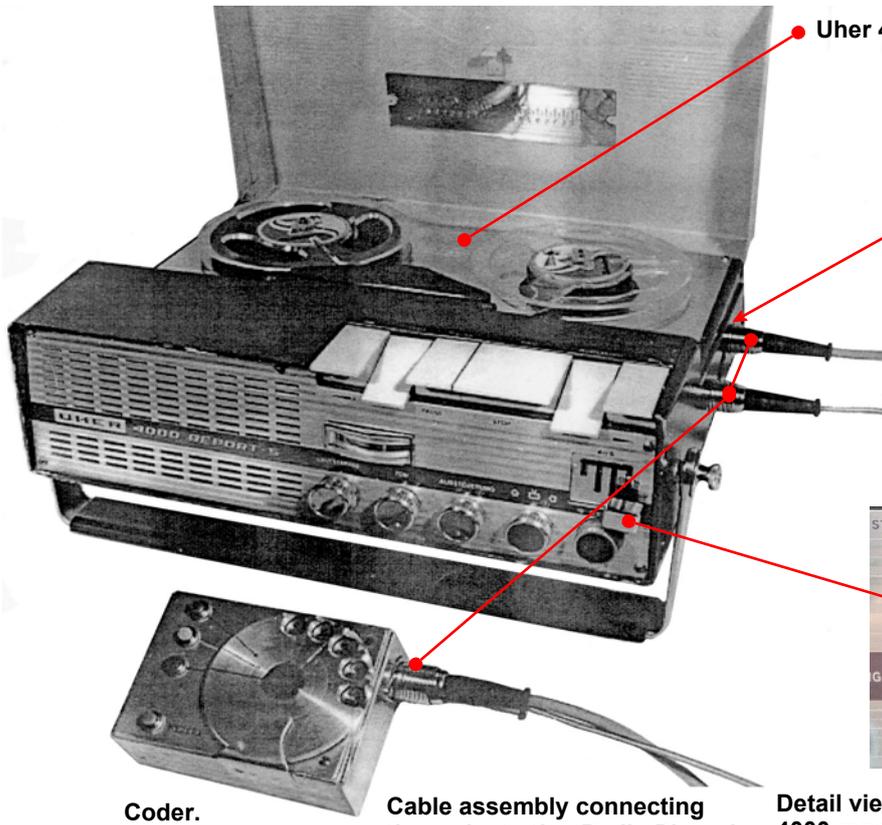
DIN socket to the Uher 4000 report-s tape recorder located at the right hand side.

Modified mechanical pulse telephone dial.

Top view of Czech coder with explanation of controls.

**References:**

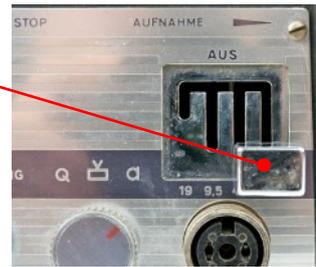
- Photographs courtesy Jan Lexa, Czech Republic.
- Information Alois Vesely, Czech Republic.



Uher 4000 report-s tape recorder.



One of the two cables from the coder was connected to the accessories socket 'Δ' providing 6V DC and a remote start/stop contact; the second cable was connected to the line input socket 'Radio Phono'.



Detail view of the speed control lever of the Uher 4000 report-s. For recording a message, the lowest speed of 2.4 cm/sec was used. When transmitting high speed Morse it was set to 19 cm/sec in playback.

Coder.

Cable assembly connecting the coder to the 'Radio Phono' and 'accessories' sockets of the tape recorder.



Sales pamphlet of the Uher 4000 report tape recorder from the early 1960s.



The Uher 4000 report-s, reel to reel, 2-track mono tape recorder was one in a series of high grade portable tape recorders. It was developed and manufactured by Uher in Munich, Germany, introduced in 1961. Photo courtesy Cryptomuseum, Holland.