

Prinzip-Schaltbild mit Strom- und Spannungswerten des TELEFUNKEN Wechselstromsupers Operette 7

The diagram illustrates the internal circuitry of the Telefunken Operette 7, a vacuum tube radio receiver. It features several key sections:

- Antenna and Tuning (S4, A):** Includes an external antenna (S4) and a tuning circuit (A) with variable capacitors (C101, C102, C103) and coils (Sp101, Sp102, Sp103).
- Detector and AF Amplifier (AU):** The detector stage (AU) uses a 6X4 vacuum tube for signal detection and audio frequency amplification.
- AF Amplifier (A):** A second audio frequency amplifier stage (A) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (B):** A third audio frequency amplifier stage (B) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (H):** A fourth audio frequency amplifier stage (H) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (L):** A fifth audio frequency amplifier stage (L) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (M):** A sixth audio frequency amplifier stage (M) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (N):** A seventh audio frequency amplifier stage (N) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (O):** An eighth audio frequency amplifier stage (O) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (P):** A ninth audio frequency amplifier stage (P) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (Q):** A tenth audio frequency amplifier stage (Q) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (R):** An eleventh audio frequency amplifier stage (R) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (S):** A twelfth audio frequency amplifier stage (S) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (T):** A thirteenth audio frequency amplifier stage (T) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (U):** A fourteenth audio frequency amplifier stage (U) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (V):** A fifteenth audio frequency amplifier stage (V) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (W):** A sixteenth audio frequency amplifier stage (W) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (X):** A seventeenth audio frequency amplifier stage (X) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (Y):** An eighteenth audio frequency amplifier stage (Y) uses a 6AV6 vacuum tube.
- Detector and AF Amplifier (Z):** A nineteenth audio frequency amplifier stage (Z) uses a 6AV6 vacuum tube.

1 ECC85

2 ECH81

3 EF89

4 EABC80

5 EL84

6 EM80

7 227V

8 266V 70mA

9 50µF C57

10 50µF C58

11 50µF C59

12 50µF C60

13 50µF C61

14 50µF C62

15 50µF C63

16 50µF C64

17 50µF C65

18 50µF C66

Bereiche	UKW 87,5 - 100 MHz	KW 505 - 85,5 m	MW 515 - 1620 kHz	LW 45 - 345 kHz
ZF AM	60 kHz			
ZF FM	10,7 MHz			

max. 55W

10,6A

Alle Spannungswerte gemessen mit Instrument 50 kΩ/V. Alle Meßwerte sind in Wellenschallerstellung UKW aufgenommen. Untersichere Werte auf MW umgeschaltet.

L = Lautstärke
H = Höhenregler
B = Baßregler

ZF Bandfilter
○ obere Spule
□ untere Spule

(Änderung der Schaltung vorbehalten)

12700B

227V

266V 70mA

50µF C57

50µF C58

50µF C59

RVH 53 - 1223/a

HHm - 20.5.56