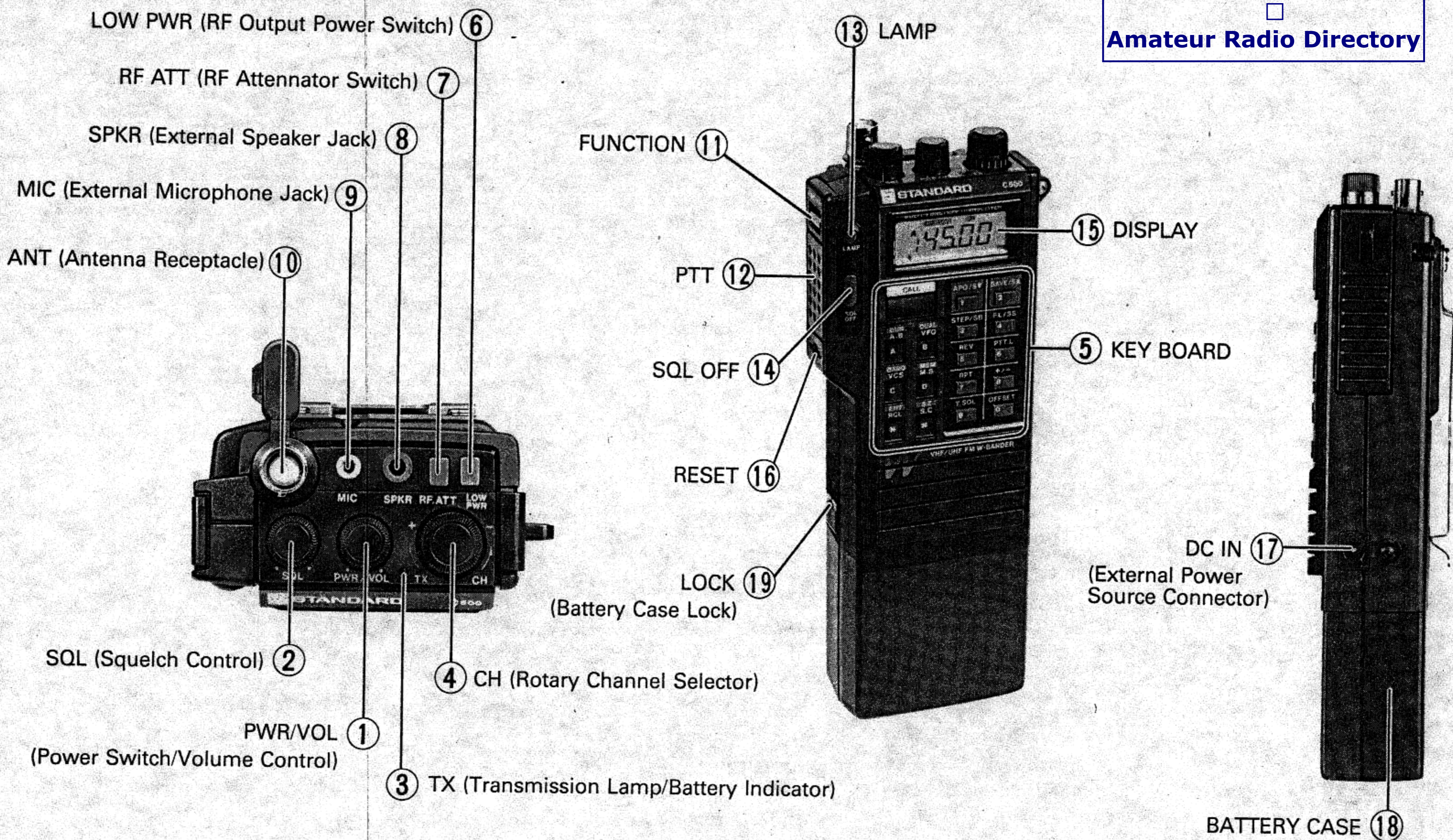


CONTROLS & CONNECTIONS

SR

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• Refer to p. 48 as to their operation.

SPECIFICATIONS

- Q: The unit does not transmit.
Is 'nt TX indicator (LED) disappeared when PTT switch is depressed?**
A: Replace the batteries.
Is "P.L" indicated on display?
A: Depress 6/PTT.L while FUNCTION is held depressed to release PTT lock.
- Q: The unit transmit at displayed frequency.
Is "S" flashed on display?**
A: Depress C/[BAND]VCS button depressed to light flashing S.
- Q: Frequency is not changed.
Is "F.L" indicated on display?**
A: Depress 4/F.L/SS button while FUNCTION is held depressed to release the frequency lock.
Is memory recalling mode set?
A: Depress #/[BZ] S.C button.
- Q: No buzzer beeps.
Buzzer is muted.**
A: Release it by depressing #/[BZ] S.C while FUNCTION button is held depressed.
- Q: The frequency is not correctly displayed, in spite of depressing RESET.**
 Lithium battery which backs up microcomputer is consumed.
A: Obtain battery replacement service at our service center or the dealer where you purchased your transeiver unit.

1. GENERAL

Frequency Range	VHF 144 to 147.995MHz UHF 430 to 439.995MHz (with 5kHz step)
Modulation Type	F3
Microphone Impedance	600Ω
Audio Impedance	8Ω
Antena Impedance	50Ω
Power Supply	9V nominal (Six Nickel-cadmium rechargeable battery or SUM-3)
Input Voltage	5.5 to 16V DC
Current Drain	
Transmission Hi +	approx. 750mA with 2.5W (VHF) approx. 900mA with 2.5W (UHF) approx. 1000mA with 5.0W (VHF) approx. 1300mA with 5.0W (UHF)
Low -	approx. 350mA (VHF) approx. 400mA (UHF)
Reception	approx. 150mA
With no signal	approx. 35mA (VHF) approx. 40mA (UHF)
Battery Save (3:1)	approx. 10mA (VHF) approx. 12mA (UHF)
Demension	173mm(Height) × 60mm(Width) × 34mm(Depth) (without knob & antenna)
Weight (with antenna & battery)	490g

2. RECEIVER

Receiving System Double conversion super heterodyne
 Medium Frequency 1st IF: 55.05MHz
 VHF – Upper heterodyne
 UHF – Lower heterodyne
 2nd IF: 455kHz
 Sensitivity -14dB(-16dBμ) with 12dB SINAD
 1μV input with a S/N ratio of 30dB at least
 Modulation Acceptance Bandwidth ±7kHz (-6dB)
 Selectivity -60dB
 Squelch Sensitivity -14dB(*-20dBμ)
 Audio output Power 400mW (at 10% distortion with 8Ω)
 (*complies with JAIA Rules and Regulations)

3. TRANSMITTER

RF Power Output Hi – 3.5W (with VHF CNB111)
 3.0W (with UHF CNB111)
 more than 5W (with CNB120)
 Low – 400mW
 Spurious & Harmonics Emissions more than -60dB
 Maximum Frequency Deviation ±5kHz
 Modulation Reactance

- Improvement may result in changes in specifications and design without notice.