

Eton NELITESATELLITHD

Eton Elite Satellit Multi-Band HD Radio User Manual

Model: NELITESATELLITHD

1. INTRODUCTION

The Eton Elite Satellit is a versatile multi-band radio designed for comprehensive reception across various frequencies, including AM, FM, HD Radio, Shortwave, Aircraft, and Single Side Band (SSB). This manual provides detailed instructions for setting up, operating, and maintaining your radio to ensure optimal performance and an enhanced listening experience.

2. KEY FEATURES

- **Multi-Frequency Reception:** Access AM, FM Stereo, HD Radio, Shortwave, Aircraft Band, and Single Side Band (SSB) with Sync Detection.
- **Multi-Color Display:** Features a clear, multi-color display with RDS (Radio Data System) information.
- **Programmable Timers:** Dual event programmable on/off timers for scheduled listening.
- **Extensive Memory:** 1700 total memory slots for storing your favorite stations.
- **Audio Customization:** Separate, continuous bass and treble tone controls.
- **Connectivity:** Line input and line output for connecting to external audio systems, and a headphone port for private listening.
- **Advanced Tuning:** Digital Phase Lock Loop (PLL) for drift-free frequency stability, variable-rate tuning knob, direct keypad frequency entry, and auto-tuning.
- **High Sensitivity:** Designed for excellent sensitivity to detect weak signals.
- **Signal Strength Meter:** Calibrated LCD signal strength meter for precise tuning.
- **Selectable Bandwidths:** 7.0, 4.0, 2.5 kHz for enhanced selectivity.
- **Power Options:** Operates on 4 D batteries (not included) or the included AC adapter.
- **Built-in Antenna:** Telescopic antenna for AM, FM, and Shortwave reception.
- **IF Passband Tuning:** Advanced tuning feature to reject interference in AM and SSB.
- **Automatic Gain Control:** Selectable fast and slow modes.
- **Synchronous AM Detector:** Selectable USB/LSB or double-sided to minimize fading and distortion.

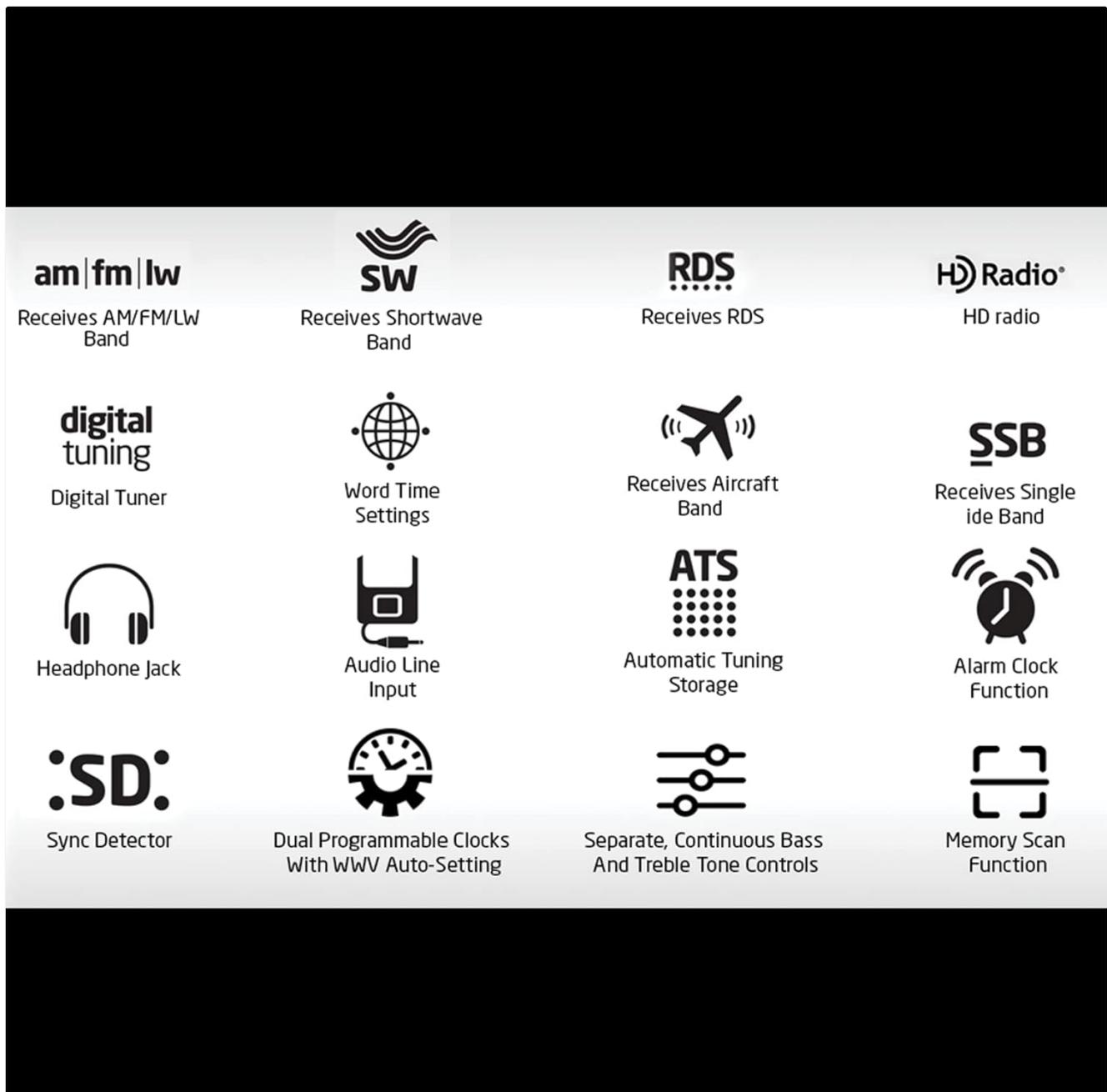


Image: Visual representation of key features including AM/FM/LW, SW, RDS, HD Radio, Digital Tuning, Word Time Settings, Aircraft Band, SSB, Headphone Jack, Audio Line Input, ATS, Alarm Clock, Sync Detector, Dual Programmable Clocks, and Tone Controls.

3. SETUP GUIDE

3.1 Powering Your Radio

The Elite Satellit can be powered using the included AC adapter or four (4) D-size batteries (not included).

- **AC Power:** Connect the AC adapter to the DC IN jack on the radio and plug it into a standard wall outlet.
- **Battery Power:** Open the battery compartment on the back of the radio. Insert four D-size batteries, ensuring correct polarity (+/-). Close the compartment securely.

3.2 Antenna Setup

For optimal reception, extend the telescopic antenna fully when listening to FM, Shortwave, and Aircraft bands. For AM reception, the radio uses a built-in ferrite bar antenna, so no external antenna adjustment is typically needed. For enhanced Shortwave reception, an external antenna can be connected to the designated external antenna input.



Image: Front view of the Eton Elite Satellit radio, showing the display, controls, and extended telescopic antenna.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press the **POWER** button located on the top right of the radio to turn it on or off.

4.2 Band Selection

Use the dedicated band buttons (e.g., **AM/FM**, **SW BAND**, **AIR**, **SSB**) to select your desired frequency band.

4.3 Tuning

- **Tuning Knob:** Rotate the large **TUNING** knob on the right side of the radio to manually adjust the frequency. The tuning speed can vary based on how quickly you turn the knob.
- **Direct Frequency Entry:** Use the numeric keypad to enter a specific frequency directly, then press **ENTER** or **SELECT**.
- **Seek/Scan:** Press the **SEEK** or **T.SCAN** buttons to automatically search for active stations.

4.4 Setting Time and Alarms

Refer to the on-screen menu options for setting the current time and configuring the dual programmable on/off timers. The radio supports WWV auto-setting for accurate time synchronization.

4.5 Memory Functions

To store a station, tune to the desired frequency and press the **STORE** button. Follow the on-screen prompts to assign it to a memory slot. To recall a stored station, use the **MEMORY** button and navigate through your saved

frequencies.

4.6 Audio Adjustment

Adjust the **VOLUME** knob on the left side. Use the **TREBLE** and **BASS** knobs to fine-tune the audio output to your preference.



SHORTWAVE AND FM RADIO

This Shortwave and HD radio also features a multi-color display for RDS, dual event programmable on/off timers, and 1700 total memory slots. Direct Shortwave band entry allows instant access to the Shortwave band of choice. Superior audio quality via a bridged-type audio amplifier. Frequency coverage: 100-30,000 KHz, includes Shortwave, medium wave AM broadcast band and long wave; 76-90, 87-108.



LINE INPUT & LINE OUTPUT

Features line input and line output to connect to your amplifier for even bigger sound and a headphone port for private listening on your favorite earphones. Input for ac adapter (North American adapter included), Input for earphones (earphones not included).



ELITE PRODUCTS FOR ELITE SETUPS

Whether you are heading for the great outdoors or are busy conquering the business world, our Shortwave radio is exclusively made for people who believe in having nothing but the BEST! Stay connected, prepared & a step ahead always.



EXTERNAL ANTENNA CONNECTION

External antenna connection for the addition of auxiliary antennas, input (not included) e.g. professionally engineered Shortwave antennas; long-wire Shortwave antennas; specialized AM broadcast band antennas for enthusiasts of AM DX'ing; FM broadcast band antennas.

Image: Close-up view of the Eton Elite Satellit radio, highlighting the various controls and the multi-color display with frequency and country information.

5. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the radio's exterior. Avoid abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries promptly when the low battery indicator appears to prevent leakage and damage.
- **Storage:** When not in use for extended periods, remove batteries and store the radio in a cool, dry place, ideally in its protective cover.
- **Environment:** Avoid exposing the radio to extreme temperatures, humidity, or direct sunlight.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Batteries are dead or incorrectly inserted; AC adapter not connected or faulty.	Replace batteries, check polarity; ensure AC adapter is securely connected and functional.
Poor reception	Antenna not extended; strong local interference; weak signal.	Fully extend telescopic antenna; try repositioning the radio; connect an external antenna for Shortwave/Aircraft bands.
Display not working	Power issue; display settings.	Check power source; adjust display brightness/contrast in settings.
No sound	Volume too low; headphones connected; mute function active.	Increase volume; disconnect headphones; check if mute is active.

7. SPECIFICATIONS

- **Product Dimensions:** 17 x 4.25 x 9 inches (17"L x 4.25"W x 9"H)
- **Item Weight:** 5.45 pounds
- **Model Number:** NELITESATELLITHD
- **Brand:** Eton
- **Connectivity Technology:** USB (for potential firmware updates, not for audio)
- **Tuner Technology:** SSB
- **Power Source:** Battery Powered (4 D batteries) or AC Adapter (included)
- **Radio Bands Supported:** AM, FM, Shortwave, Aircraft, SSB, HD Radio
- **Included Components:** Owner's Manual, AC Adapter

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Eton website. Keep your purchase receipt as proof of purchase for any warranty claims.