

Eton E1 Flaw List

VERSION 1 ©2006



The information below is not guaranteed to be error free.

The **Eton E1** is an excellent portable receiver but it is not without its failings. The tables below list some E1 imperfections that buyers should know about before purchase. I like the E1 and recommend the radio for SWL; however, it is best to learn about deficiencies up front. Quality control remains an unknown factor although it is likely satisfactory. It should be noted that *Passport 2006*, a superb publication, mistakenly stated that the 1200 country memories "**have a specific country permanently burned onto the top line of each page**". Country names *can be altered* by pressing and holding the **COUNTRY** button for three seconds.

MISSING
NO HANDLE MAKES CARRY INCONVENIENT
PAL TO SO-239 ANTENNA ADAPTER NOT INCLUDED
PROTECTIVE COVER NOT INCLUDED
EARPHONES OR HEADPHONES NOT INCLUDED
XM REQUIRES AN EXTERNAL ANTENNA MODULE
NON-MECHANICAL S-METER

DISPLAY
DISPLAY CONTRAST COULD BE BETTER
CONTRAST CONTROL IS IN BATTERY BAY
DISPLAY HARD TO SEE AT AN ANGLE
SOME HORIZONTAL DISPLAY GHOSTING
DISPLAY EMITS SOME RF RADIATION
NO PHOTODIODE FOR BACKLIGHT

POWER
RADIO CANNOT RECHARGE BATTERIES
BATTERY ACCESS IS INCONVENIENT
BATTERIES ROCK INSIDE RADIO WHEN MOVED
XM MODE DRAINS BATTERIES QUICK
ANTENNA JACK BECOMES HOT WITH AC USAGE
AC ADAPTER PRODUCES HEADPHONE HUM

PERFORMANCE
POOR 5 kHz DYNAMIC RANGE EVEN WITHOUT PREAMP
POOR 5 kHz DYNAMIC RANGE AND IP3 USING PREAMP
NO MW FERRITE ROD TO NULL COMPETING STATIONS
SPEAKER VIBRATES RADIO ON SOME LOW FREQUENCIES
NO ATTENUATOR
NO RF GAIN CONTROL
NO NOISE BLANKER, NOTCH, DSP NOISE REDUCTION

COMPARISONS

MORE ROOM FILLING AND VIVID SOUND ON SAT800

BETTER 20 kHz DYNAMIC RANGE ON SAT800

BETTER 5 kHz DYNAMIC RANGE ON 2010 AND SAT800 AND SW77

BETTER SYNC DISTORTION LEVEL ON SAT800 AND SW77

BETTER MW RECEPTION ON 2010 AND SAT800 AND SW77

BETTER PHASE NOISE ON SW77

BETTER BLOCKING ON SAT800

FEATURES

NO DIGITAL RADIO MONDIALE (DRM)

NO DIGITAL RADIO (HD)

NO RDS (STATION IDENTIFICATION)

SOFTWARE

NO 5 kHz SW OR 9/10 kHz MW TUNING KNOB STEP

SEEK SCANS OFF THE END OF EACH SW BAND

SSB FREQUENCY OFF AND CANNOT BE ZEROED IN SOFTWARE

NO AUTOMATIC TUNE SCANNING TO POPULATE MEMORIES

NO MENU FUNCTION TO SORT MEMORIES

TWO BUTTONS ARE NEEDED TO ENGAGE SSB FROM SAM MODE

HITTING XM WITH NO XM ANTENNA CAUSES 10+ SECOND PAUSE

MINOR PBT SOFTWARE GLITCH

NO 12-HOUR TIME FORMAT

NO RS-232 CONTROL ALTHOUGH LIKELY CAN BE IMPLEMENTED

ERGONOMICS

LIGHTWEIGHT TUNING KNOB

EASY TO ACCIDENTALLY TOUCH KNOB AND TUNE OFF STATION

BUTTONS ARE TINY

NO TUNING KNOB FINGER INDENT

NO RUBBER GRIP ON TUNING KNOB

PBT LACKS MID-POSITION DETENT

MECHANICAL

TUNING KNOB USES MECHANICAL NOT OPTICAL ENCODER

ANTENNA CAN FALL DUE TO LOOSE SWIVEL ACTION

SMALL PLASTIC CIRCULAR CUTOUT IN BACK CAN BREAK OFF

NO HIGH IMPEDANCE SW ANTENNA HOOKUP

FM AND SW SHARE SAME EXTERNAL ANTENNA HOOKUP

HINGED REAR PANEL IS FLIMSY

STAND NEEDED FOR OPTIMAL USAGE

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