

Maintaining your advantage

- Ardac Elite EP maximizes Ardac Elite benefits

- Provides rapid in-field updates:
 - core firmware
 - note tables
- Extracts usage data





Ardac Elite is the world's best bill and barcode ticket acceptor, featuring the best technology and delivering the best first-time acceptance levels of street-grade bills. And, thanks to Ardac Elite EP, it's also the best acceptor in terms of the speed and ease of updating core firmware and note tables.

Ardac Elite EP is a simple-to-operate, battery-powered, hand-held device that connects to Ardac Elite's update/diagnostics panel via a USB cable.

Core firmware and/or note tables can be downloaded from the Web on to a PC running ccProgrammer, and copied, via a USB connection, into Ardac Elite EP. ccProgrammer will instruct it on how it should work with an Ardac Elite: for example, a full overwrite, selective overwrite or revert to previous version.

Having been loaded with the new data, Ardac Elite EP is plugged in to Ardac Elite in a host machine and the firmware or note tables are automatically updated within a matter of seconds. Before updating, Ardac Elite EP checks which protocol is used (Netplex, ID003 or USB) and writes the update accordingly.

Conversely, Ardac Elite EP can be set to extract performance data from Ardac Elite for analysis by appropriate PC software. This data includes acceptance rate tables from Ardac Elite counters. At least 250 audit counts can be stored on a single Ardac EP.

Ergonomically designed for simple one-handed operation, Ardac Elite EP is small enough to fit inside a shirt pocket. And its robust construction will ensure long life.

Product Summary

- USB Type B connectivity to Ardac Elite
- USB Type A connectivity to PC
- Battery-powered (2 xAA high-performance)
- Stores full range of core firmwares
- Stores a complete currency note set
- Easy, one-handed operation
- Robust design
- Secure, fail-safe downloading
- Simple LED status indication

Ardac Elite EP ensures Ardac Elite maintains its exceptional performance and delivers maximum in-service availability.



Operation

When Ardac Elite EP has been loaded with core firmware or note tables, it is connected to the USB port on the front panel of Ardac Elite in the host machine.

The unit is switched on by pressing the button on its front panel, lighting the LED indicator solid green. The button is then held down until the LED starts flashing green. Within seconds, the flashing stops, indicating that Ardac Elite has been updated – it really is as simple as that.

Updating with Ardac Elite EP is fail-safe: if, for any reason, an update fails to complete, Ardac Elite auto-recovers and operates with the pre-existing firmware and note tables.



LED Indication	Status
Solid green	Power on
Flashing Green	Communicating with PC or Ardac Elite
Flashing Amber x1	No valid file available (mismatch of product code flags)
Flashing Amber x2	Ardac Elite error
Flashing Amber x3	Ardac Elite EP error
Flashing Amber x4	Program error
Flashing Red	Battery low
Solid Red	Ardac Elite EP hardware error

Copying downloaded firmware/ note tables from a PC



Updating/extracting data from Ardac Elite



Ardac Elite EP

Data Summary

Storage	Memory: 4MB flash, non-volatile Firmware capacity: 6 x 128kB Note table capacity: 6 x 128kB Audit read capacity: 250 x 2kB
Communications Interface	To Ardac Elite: USB Type B connectivity To PC: USB Type A connectivity
Power	Supply: 2 AA high-performance alkaline batteries Output: 5Vdc, 150mA max Battery life: Minimum of 6.7 hours continuous operation (over 800 downloads)
Environmental	Temperature Range: Operating: 0°C to 55°C Storage: -20°C to 70°C Humidity Range: Up to 75% RH non-condensing

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