

SmartCard



How it works

What is it for ?

The smart card calculator has been introduced for a number of reasons, the main ones being to increase the security of our software and to take away the need for customers to use our web site for security.

Why have we introduced this system ?

Over the last 2-3 years we have increased security on our software, to stop unauthorised counterfeit manufacturers copying our hardware and software. This has had a negative effect on our loyal customers, who are forced to go to the AD web site to obtain security codes. This can be difficult if internet access is not available or the mobile phone coverage is weak. This system overcomes the need to go to the AD web site.

How does it work ?

The current software when connected to a vehicle will give you a security outcode and a security incode is required to continue to use the software. This new system will enable customers to obtain this incode without using our web site, and no internet or mobile phone connection is required. The calculator is 100% stand alone.

Is this system really required ?

Yes, we are in this position because there are many companies trying to steal our software and hardware, and it is important for AD and our customers that our systems are protected, and to stop counterfeit copies being produced.

Why is it used on older software as well ?

The amount of time and money we have spent on this new system, and due to the constant updates and improvements we make to all software, whether it is older or new software, we decided to protect ALL software whether it requires web security now or not, so that all software will be protected from future counterfeiters.

Can I use Web Security Still if I lose the card or calculator ?

Yes, there will be a backup online system, which will enable you to obtain codes, if you lose your card or calculator. If this happens your current cards will be cancelled and deleted from the system, so new cards will then need to be ordered while you use the web system temporarily.

Can I have more than one card or calculator ?

Yes, you can have as many spares as you wish and they can be stored in secure places as back ups.

Can I use it on the Tcode and MVP Classic machines ?

No, this system is only for MVP Pro, Tcode Pro and AD100 Pro machines.

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How will it work ?

The smart card security system consists of a calculator and smart card.

The smart card is required for each vehicle manufacturer after the system has been selected from the main vehicle menu. The tester will display a CHALLENGE code, to continue, the user must enter this code on the smartcard calculator. A corresponding RESPONSE code is then displayed on the smartcard calculator, which must be entered back into the tester. Providing the CHALLENGE/RESPONSE codes correspond, access to continue will be granted. After each RESPONSE code is given the smart card's uses count on the smart card will be reduced by one.

To protect the smart card and software the smart card has a number of security features built in as follows:

1. Each smart card can be used a maximum of 5000 times.
2. After 500 uses the smart card will need to be re-charged via the Advanced Diagnostics website <http://www.advanced-diagnostics.co.uk/htm/SmartCard-English.php>. The card has a total of 10 recharges providing the 5000 limit.
3. Once the card has reached its 5000 limit, a new smart card will need to be used.
4. The smart card is unique to each tester.
5. The user has 55 seconds to enter the RESPONSE code. If it is not entered within this time then the tester will generate a new CHALLENGE code. This will continue to change every 55 seconds while no RESPONSE code is entered.
6. The user will have 3 attempts to enter a correct RESPONSE code. After 3 incorrect RESPONSE codes the tester will have to be turned off and re-started.

CONTACT YOUR DISTRIBUTOR IN JANUARY FOR PRICING AND TO ORDER THIS NEW SYSTEM

