



DSX Access Systems, Inc.

DSX Security Review

In an effort to keep your facility secure it is important to periodically review security policies, practices, and technology. It has come to the public's attention that 125kHz Proximity Readers and Cards have become compromised. This long lasting and simple technology has finally fallen to compromise by those that would pick your lock to do you harm or those that simply want to show you that your lock can be picked. Regardless, it is now in every one's best interest to replace this older technology with something that is more secure. Below are recommendations as to how you can improve your security by implementing newer technology.

1. Do not use 26 bit cards that have a 3 digit facility code and a 5 digit card number. Do not allow cards numbers to be entered into your system between 1 and 65535.
2. Replace 125kHz readers with Multi-Technology Readers that can read both 125kHz and 13.56MHz cards. This allows the 125kHz cards to be phased out instead of replaced all at once.
3. Replace all 125kHz cards, and key fobs with 13.56mHz credentials. The higher frequency cards and key fobs are no larger than their predecessors and come in the same form factors.
4. Once all 125kHz readers and cards have been replaced, reprogram the readers to no longer work with 125kHz cards and fobs.
5. Replace critical doors with Card + PIN reader keypads that can be placed into card only mode during high traffic times and Card + PIN for after hours and weekends.
6. Implement Use it or Lose it, Manager First, Lock Down and other applications in your system to make your facility more secure. Use it or Lose it can disable cards that have not been used in a specified number of days (lost or forgotten cards). Manager First can prevent employee cards from working at all or at selected readers unless there is a manager present. Lock Down can allow the Lock down of a door, building, campus, or district all from a mobile phone application.
7. A great addition to your security is the New DSX Mobile Command smart phone app which provides the monitoring and control of a system allowing the mobile operator to lock down doors, disable readers, and deactivate card holders.
8. Test all Standby Power including backup batteries in Controllers, UPS Supplies and Generators powering PCs and Servers.
9. Install Non Volatile Memory on Master and other Critical Controllers.

10. Goes without saying - Make Backups!