

STRANDNA (UK) LIMITED

CHAIN REACTION DNA™®
*A Police Approved
Forensic Burglary Deterrent*



The problem

The majority of residential burglaries committed in the United Kingdom are through an external door and sometimes thieves resort to far more extreme methods to steal property without the house alarm being activated or to gain access to vehicle keys so to start without the alarm, immobilizer and tracking system being activated. These crimes are known as aggravated burglaries here in the United Kingdom and home invasions or forced entries in other parts of the world.

Put simply, once a home owner has gone to receive a caller at the door and opens the entrance, the caller uses force to gain unlawful entry. Alternatively criminals may force illegal entry through a locked door.

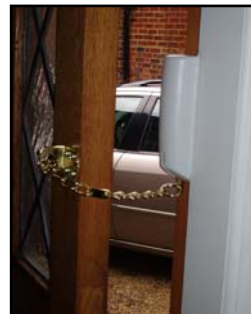
The Solution

StranDNA (UK) Limited has the solution to the growth in this type of crime and is marketing a totally new and innovative access control device which utilizes UV based forensic DNA trace technology. Given the name "Chain Reaction DNA™" this unique security product has been developed here in the United Kingdom over a two year period aided by ERA Security Products and has received Secured by Design as being an Official Police Security Initiative!



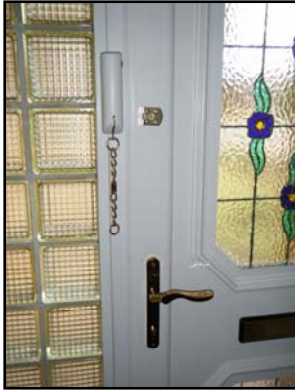
We recognised that the certainty of being sprayed with traceable DNA would be seen by today's villains as the ultimate deterrent because when they activate this unique door security device its embedded forensic trace technology will link them to *their* crime scenes!

Chain Reaction DNA™ has been specifically designed to ease the fear associated with doorstep crimes. It assists the Police in the detection and apprehension of intruders by using the latest in DNA trace technology and provides the Crown Prosecution Service with irrefutable scientific evidence.



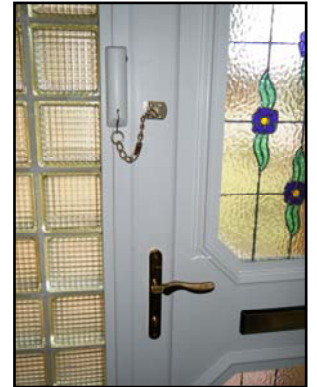
Installed unobtrusively to the inside of the door, Chain Reaction™ DNA provides extra resistance to forced entry and a very high decibel, thief-disorienting alarm is triggered automatically should the door be forced open. And, in doing so, the intruder will be sprayed with a unique DNA trace which is registered at point of installation and synonymous to the address it has been installed, this allows Police to connect the perpetrator directly to the crime scene and can be used as forensic evidence in a court of law.

How it works



At the point of installation a registered or MLA approved installer will take the unique DNA trace code supplied and contact StranDNA who will register that code relating it to a specific residential address. StranDNA have utilized the services of RETAINAGROUP. Retainagroup is a member of the BSIA, accredited to ISO 9001 – 2008 , Thatcham TQA and LPS 1224 & 1225, licensed by ACPO CPI Ltd, as providing products and services meeting Police Preferred Specification and partnered with the Home Office in the “Crime – Let’s Bring It Down” campaign. They are also members of the SMMT.

There are billions of unique DNA codes and NO two canisters are ever the same!



Warning stickers supplied and installed at the front and back of the protected property will discourage illegal attempts at entry. If the warning is not heeded culminating in the activation of a device and an arrest is made, a forensic science laboratory is able to analyze the stain and can detect the DNA component present. This can then be identified in the RETAINAGROUP database which includes the location where the associated security device was installed and registered, clearly placing the individual as perpetrator or as being directly associated with a specific crime.



To avoid mistaken activation of the mechanism, a definite illegal action is required. For example an individual aggressively attempting to force entry will provide sufficient force to fire the mechanism. A high decibel alarm sounds and at the same time a DNA trace liquid is expelled. This is a clear non-toxic substance, only visible under ultra-violet light and possessing a unique DNA code. It can remain on clothes, skin or hair for month’s dependant on exfoliation and washing frequency.

Police can readily identify the presence of the substance in “Black Suites” using UV lighting situated in custody suites, or by the use of hand-held UV Black Lights.



RETAINAGROUP
MARK • REGISTER • VERIFY • RETAIN



Trace Element

CHAIN REACTION DNA UV Identifier is BLUE. Other similar UV based trace technologies used within the security industry today illuminate YELLOW or RED and are marketed by a number of security organizations. These are used in commercial applications such as cash in transit, personal attack alarms or for asset and property marking.



If a suspect is detained, Police have the ability by way of UV arches situated in Police Station custody areas or by the use of handheld UV torches, when shone on a suspect a UV marker will illuminate. The UV marker makes it indicative that DNA is present.

If the individual is found to be stained with this substance a forensic science laboratory is able to analyze the stain and can determine the Trace Tag DNA component allocated. When StranDNA (UK) Limited is provided with this unique code we are able to confirm with RETAINAGROUP the exact location to which the device was installed and registered, clearly placing the stained individual at the scene of a crime.



NORMAL LIGHT



UV LIGHT



Installation

The device must be installed by a registered StranDNA approved installer/organization and can be used on any doorway throughout the home, including patio doors, panic and safe rooms.

1: Chassis incorporates Chemical Can and high-decibel alarm. This is then securely installed to the frame very close to door.

2: The Security Chain (ERA) is put in place prior to opening the front/rear door. This connects from a secured mount within the box from the frame to the retaining device fitted on the door.

3: The chain is attached to a dual-feature trigger mechanism fitted to the underside of the secured box. If the door is pushed with force a retention pin will break, thus pulling the trigger mechanism. The sounder will be activated and the dual alarm feature, when capacity is reached, will spray the UV & DNA trace liquid.



Description

DNA (High decibel alarm & DNA UV trace evacuation if attacked) - the fitting of this device requires professional installation from a recognized StranDNA (UK) Limited representative or organization. We have strict rules to adhere to, so that any evidence gathered after a malicious evacuation can be used in the prosecution of offenders in a court of law. We need to be able to clarify the entire history of the canister involved and we need to be able to state that at no time has it entered into the public domain. This will ensure that it is admissible as evidence.



Conclusion

We believe “Chain Reaction DNA™” eases the fear associated with doorstep crimes which are unfortunately occurring more often. We will be giving the homeowner greater piece of mind when answering a call at a residential entrance. They will be confident that any attempt by the caller to gain unlawful entry will be met with a hi-tech proactive response. The strong evidential nature of this security system will reduce illegal intrusion and increase detection rates.

We also believe the application of this device can work two fold. From a homeowners perspective it eases the fear associated with doorstep crime but at the same time it will increase the fear of the individuals who perpetrate such criminal offences of getting caught and convicted.

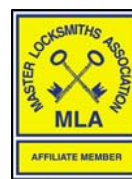
Professional Installers Sought

For the residential security market we are seeking distribution channels through locksmith and alarm companies who wish to exploit this technology under their own direction and name in the form of re-seller/installer agreements.

StranDNA (UK) Limited

Suppliers & Installers of Chain Reaction DNA

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“Because you can never be sure who’s on the other side of the door”