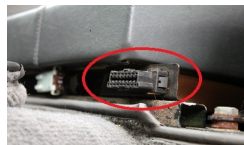# DEFENDER (-2012) FOB PROGRAMMING TOOL USER GUIDE

Thank you for purchasing your Defender fob programming tool from **FOBFIX.COM**.

Please note that ALL fobs that are needing to be programmed must be present at the start of each programming session. Any previously programmed fobs will be deleted but can be programmed in again, if required.

For trouble free operation of your tool, please read this short user guide and then follow these easy steps.

1. Turn your ignition key to position II. At this point your dash should be lit.

2. Plug the tool in to the vehicles OBD connector. This is located as shown here :

3. The LED on the tool will light up for 1 second to indicate it is powered and then go off.

4. After approximately 5 seconds, the LED on the tool should be lit solidly again. This indicates that the tool has put the Defenders AS10 alarm ECU into 'Learn Mode' and will remain in this mode for the following 45 seconds. At this point, press the unlock button on any fob to be programmed up to 16 times until the horn/hazards 'blip' to indicate successful programming of that fob. Repeat this for up to 4 fobs in total.

5. Once the 45 second programming window has finished, the LED on the tool will flash rapidly (disco time!). This is just a reminder to turn the ignition back to 'off' and unplug the tool from the OBD connector. The process is now complete and your newly programmed fobs can now be tested.

WARNING

DO NOT LEAVE YOUR PROGRAMMING TOOL CONNECTED TO THE OBD PORT AFTER USE. IT IS DESIGNED TO BE USED WHEN THE VEHICLE IS STATIONARY AND REMOVED AFTER OPERATION.

TROUBLESHOOTING

This tool is quite simple in its operation but does rely on certain factors. It will only work on Defenders that have a fully functioning OBD wiring loom. A common fault is corrosion of the connectors and wires between the OBD connector and the 10AS Alarm ECU so if you are having problems, this could be the cause.

Further troubleshooting information is available on our website.