

How an RFID Implant Works

1 An RFID reader emits radio waves, which power the implanted tag when it is within range. The reader sends an encryption password.

2 The tag, which consists of a microchip and an antenna, checks the password. If it recognizes the password, the tag's memory unlocks.

3 The tag transmits a code stored in its memory back to the reader.

4 The reader compares the tag's code to a key code stored in the reader. If they match, the lock opens.

5 The reader generates a new key and stores it, then sends the new key to the tag.

6 The tag writes the new key into its memory.