



Neatrol Holdings Pty. Ltd. trading as:

NEATROL SYSTEMS

ABN 20 056 432 118

25B Harland Avenue, Malaga, W.A. 6090.

Postal Address: P.O. Box 3271, Malaga, W.A. 6945.

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DUAL AIRKEY PROGRAMMER INSTRUCTIONS

The programmer will allow you to upload and download transmitter information to both 85 slot and 340 slot AIRKEY receivers that are fitted with a program socket.

Individual transmitters can be deleted from receivers.

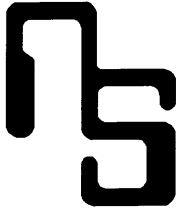
Transmitter information can be uploaded and then downloaded to a different receiver or memory chip to be used as backup.



Fig 1: The AIRKEY Programmer with the lead attached and memory chip installed. Power for the programmer is supplied from the receiver when the unit is plugged in.

Program options:

- Upload transmitter information from receiver to programmer and store in memory chip.
- Download transmitter information from programmer memory chip to receiver.
- Search a receiver to determine which transmitters are stored in the receiver.
- Delete an individual transmitter from a receiver.
- Upload transmitter information from several 85 slot receivers to a single memory chip.



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Operating the programmer

- Plug the programmer into the AIRKEY socket that is provided on the receiver circuit board.
- The screen will show " Neatrol Systems "
- "Dual AIRKEY Program "

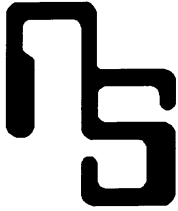
- Press **NEXT** to commence operation
- The screen will show "Select remote EEPROM"
- " 85 slot 93C66 "
- Press **MODE** to swap between 85 slot 93C66 and 340 slot 93C86 devices.
- **It is very important to select the device that is installed in the receiver.**

- Press **NEXT** after remote EEPROM is selected
- The screen will show "Select local EEPROM "
- " 340 slot 93C86 "
- or " 85 slot 93C66 "
- (depending on which device was selected for remote)
- Press **MODE** to swap between 85 & 340 slots devices.
- NB: If 340 slot is selected for remote, only 340 slot is possible for local device.
- **It is very important that the selection matches the device installed in the programmer.**

- Press **NEXT** after local EEPROM is selected
- The screen will show "Ready to start-Press"
- " Nxt/Upld/Dwnld/Add "

- The programmer is now ready to operate. The functions available are:

- **NEXT** - Review transmitter information in receiver
- **UPLOAD** - Copy transmitter information from receiver to programmer
- EEPROM in programmer is erased first
- **DOWNLOAD** - Copy transmitter information from programmer to receiver
- EEPROM in receiver is erased first
- **ADD** - Copy transmitter information from receiver and add to programmer



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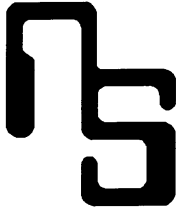
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To review or delete transmitters stored in receiver.

- Press **NEXT**. The screen will show "Select AIRKEY Type "
- " Normal "
- Press **MODE** to swap between normal and wiegand Airkey types
- Press **NEXT**. The screen will show "Slot Number 01 "
- "AIRKEY S/N: 00000000"
- Press **UP** or **DN** to scroll through the slot numbers.
- Press **DEL** to remove a transmitter from the slot displayed.
- Press **NEXT** when finished.
- The screen will show "Programming Complete"
- The programmer may now be unplugged from the receiver.



Fig 2: Airkey receiver



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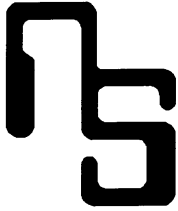
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To upload transmitter information from the receiver to programmer.

- The contents of an 85 slot receiver may be uploaded into either an 85 or 340 slot EEPROM in the programmer.
- The contents of a 340 slot receiver can only be uploaded into a 340 slot EEPROM in the programmer.
- Press **UPLOAD**. The screen will show " Uploading data "
- The EEPROM in the programmer is erased and all transmitter information that is stored in the receiver is copied to the programmer.
- The screen will then show " Upload Complete "
- Press **NEXT** and the screen will show "Programming Complete"
- The programmer may now be unplugged from the receiver.

To upload transmitter information from the receiver and add to programmer.

- The contents of several 85 slot receivers may be uploaded into a single 340 slot EEPROM in the programmer.
- Press **ADD**. The screen will show "Uploading extra data" if the upload is possible,
- or " Unable to upload " if the upload is not possible.
- All transmitter information that is stored in the receiver is copied to available space in the programmer.
- The screen will then show " Upload Complete " if all data is copied,
- or " Insufficient space " if the programmer is full.
- Press **NEXT** and the screen will show "Programming Complete"
- The programmer may now be unplugged from the receiver.



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To download transmitter information from the programmer to receiver.

- **NB: All transmitter information in the receiver will be erased by this function.**
- **EEPROM in receiver and programmer must be the same size for download.**
- Press **DOWNLOAD**. The screen will show " Downloading data " if the download is possible,
- or " Unable to download " if the download is not possible.
- The EEPROM in the receiver is erased and all transmitter information that is stored in the programmer is copied to the receiver.
- The screen will then show " Download Complete "
- Press **NEXT** and the screen will show "Programming Complete"
- The programmer may now be unplugged from the receiver.



Fig 3: AIRKEY programmer with receiver