



NEO ProLink 3V9-BT

Installation and operation instructions

Chapter 1 – Getting Started

1.1 Subject

The Neo ProLink V9 adapter—an integration that links between an iPod (and iPhone) and a car stereo. The ProLink adapter features are:

- iPod/iPhone® play, charge and control via EXT2 port.
- Bluetooth capability via additional EXT1 port and Bluetooth Dongle for hands free and wireless audio streaming from your mobile phone.
- AUX-IN 3.5mm connector for many other audio devices such as XM radio, MP3 or DVD player, via EXT1 port.
- Firmware upgradeable via micro SD card, universal adapter that fits into many car makes.

1.2 Introduction

Thank you for purchasing the Neo ProLink adapter. It has been designed to provide endless hours of listening pleasure through most vehicles' factory radios. You will be able to control your iPod/iPhone with the car stereo buttons or steering wheel controls, and your iPod/iPhone will stay charged when connected to the car stereo. Additional EXT port will allow you to connect Bluetooth Dongle or any other audio device that has 3.5mm plug. To ensure that your iPod/iPhone performs correctly in your car or truck, we recommend that you read your vehicles section in this manual before attempting to install the interface.

1.3 Precautions

Proper mounting location

Securely install the interface in a location that is free from heat, humidity, moving parts, or direct sunlight. Beware of the hot airflow from your vehicle's climate control system. We recommend securing the interface to a suitable location that is free of sharp metal edges using double-sided tape, Velcro, or wire ties.

The iPod/iPhone has not been designed to withstand extreme automotive temperatures. You may damage your iPod/iPhone if you leave it inside your vehicle on a very hot or very cold day. For further information, please refer to your iPod/iPhone manual.

1.4 Disclaimer

- This product is not affiliated with any OEM manufacturers.
- Modifying the radio may void any outstanding warranty.
- The purchase of this product carries with it no warranties, either expressed or implied.
- While every care has been taken to provide a quality product, we cannot guarantee that the Neo iPod adapter will function correctly if installation is not done according to the instructions provided in this guide.

Prolink Neo Instructions

Rachel Sandford



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web the block diagram of a linear power supply is as shown in the following figure in spite of the above disadvantages linear power supplies are widely used in low noise amplifiers test equipment control circuits in addition they

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web smmps rely on pwm to control the average value of the output voltage the average value of the repetitive pulse waveform depends on the area under the waveform as load increases output voltage tends to fall most switching power supplies regulate their output using the method called pulse width modulation pwm

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web feb 25 2021 fig block diagram of smmps the working of smmps is clearly explained in the above block diagram and each block is explained properly in the following section input section the input supply of our

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web below is a conceptual circuit diagram of a typical off line smmps this tutorial will introduce you to its basic operation how switching power supply smmps works ac power first passes through fuses and a line filter then it is rectified by a full wave bridge rectifier

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web hence a smps can be used to convert ac to dc such as in a desktop computer power supply or dc to dc either step up or step down in many different battery powered systems fig 3 0 1 shows a block diagram example of a typical smps with an ac mains line input and a regulated dc output

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web block diagram of a mains operated ac dc smps with output voltage regulation input rectifier stage ac half wave and full wave rectified signals if the smps has an ac input then the first stage is to convert the input to dc this is called rectification an smps with a dc input does not require this stage

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as well as when it is not the diode carries the current during the off period of the transistor therefore energy flows into the load during both the periods

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web the figure given below represents the functional block diagram of smps initially the unregulated ac input signal from the source is provided to the input rectifier and filter circuit here the ac input signal is rectified to generate a dc signal and further smoothened to remove high frequency noise component from it

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web smps regulates the output power by varying the on to off time using minimum voltage so that efficiency is very high compared to the linear power supply what is inside a smps fig 1 simple block diagram showing different function of smps

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