

Memorandum: Installation of VG Flex

The successful installation of NewTom VG Flex in mobile environment is dependent on a complete preparation of the van by third parties. In addition to the requirements listed below, all of the AFP Imaging installation requirements (see NewTomVGShort-Preinstall document) must be met in order for AFP engineers to be able to complete the NewTom installation. Any changes, modifications or deviations from these requirements must be approved in writing by AFP Technical Support department prior to AFP booking an installation date. If upon arrival at the installation site, these requirements are found to be lacking in completeness, the NewTom customer will incur any costs associated with additional travel, recalibration or any other additional preparations by AFP personnel.

1. The complete preparation of the interior of the van, including any flooring, walls, and power outlets needs to be completed. Additionally, AFP is not responsible for providing, assembling, or installing computer furniture, shelving or wall mounting devices for the computer and monitor. Please have all computer furniture assembled, installed, and in place prior to installation of the NewTom VG. As such, AFP requires digital images showing the completed interior and exact location for the placement of the scanner, before travel arrangements will be made. Once the unit is in place, it cannot be moved to accommodate furniture or finish last minute preparations (Paint, wiring, etc) This diagnostic imaging tool is highly sensitive and cannot be moved within the van once installed.
2. The power requirements for the NewTom, the computer workstation and the monitor need to be completely and fully adhered to. Any variation from the requirements needs to be approved in writing by AFP engineers prior to booking an installation date. The power requirements are specified in the Pre-Installation Manual, a copy of which is attached to this document. Further details are included below.
3. Installation of a NewTom CB3D scanner into a mobile environment requires a minimum of two (2) power inverters – 1 for the Scanner itself and at least 1 additional inverter for all other appliances, including the supplied computer workstation. The power for the NewTom scanner hardware should be supplied by a dedicated inverter capable of generating a true sine wave. The inverter must be rated to 3000W max, with a surge rating of at least 6000W. The rated AC THD (Total Harmonic Distortion) needs to be 5% or lower. In the past we had good experiences with the Xantrex RS3000 model. This statement should not be construed as an endorsement of a specific model but as an aid in choosing an inverter in the same performance range. Furthermore, use of an inverter that doesn't meet these requirements can potentially cause damage to the equipment which will not be covered under AFP warranty.
4. The NewTom VG will be connected directly into the dedicated inverter. Nothing else can be connected into that inverter or into that circuit. There are no exceptions to this.

AFP Imaging Corporation
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5. Any other appliances (including lighting, AC units, computer workstation, monitor and printer) should be powered by a separate inverter. This secondary inverter needs to be rated to support all the other appliances and is recommended to generate a true sine wave. If the secondary inverter is not true sine, the computer monitor will experience artifacts. The computer workstation consumes about 800W and the monitor about 100W. Printer power requirements will vary from model to model – consult manufacturer requirements. Please note these requirements when choosing the secondary inverter.

6. Once the installation of the scanner is completed by AFP, an authorized representative must be present to signoff and acknowledge completion of the NewTom installation and confirm the unit is in full working condition. It is highly recommended that the owner/operator of the van be present not only to acknowledge the complete installation, but also to receive preliminary hardware training and operating protocol.

Please observe these requirements carefully and contact AFP Technical Support at (914) 592 6100 extension 416 if you need further clarifications.

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