

NetMan™

Over-The-Air Download (OTA) Download

If you really want the functionality offered by a new software/firmware release but cannot afford the downtime required to upgrade all your mobile computers, then Netman™ is your solution.

Netman™ by Digital Wireless is a back-office application designed to work with the Digital Wireless mobile data terminals (MDTs) using your existing communications network. It provides over-the-air (OTA) remote download of applications and data to an entire fleet of MDTs, thereby eliminating the need for drivers to bring in their vehicles to have the MDT firmware updated.

Netman™ has been used at some of the Digital Wireless largest customer sites for years, simplifying the management and upgrades of mobile devices.

■ Benefits

- No vehicle downtime
- Minimize software upgrade cost
- Seamless to the driver
- Minimize channel usage by using compressed files
- User-friendly Interface for the system administrator

■ Cost-effective

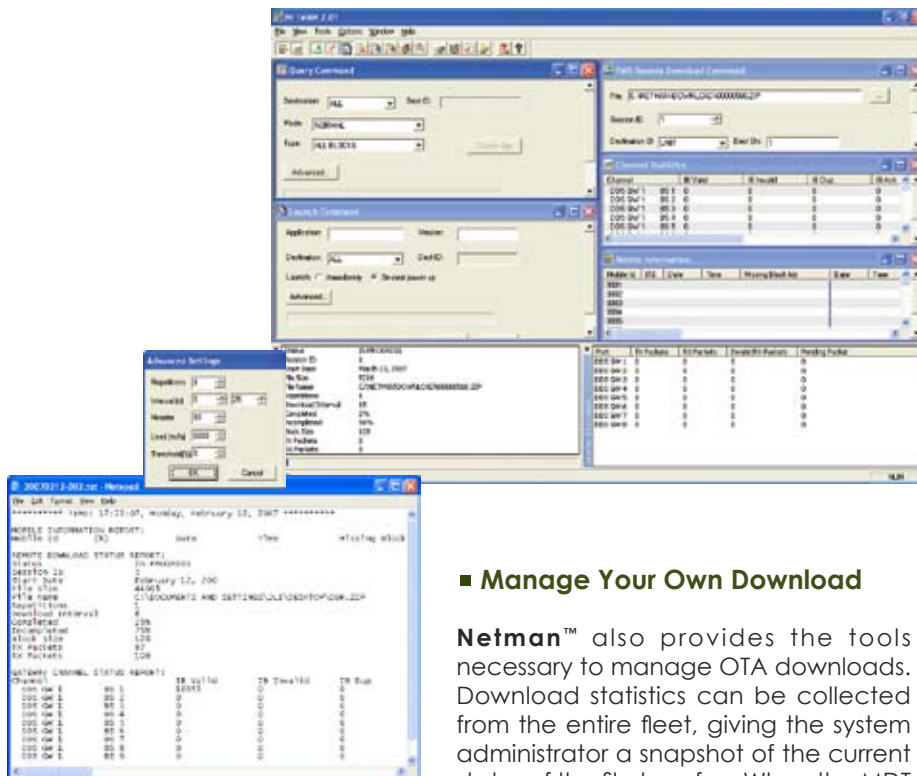
Netman™ OTA downloads occur when a vehicle is in service, allowing them to continue to generate revenue while files are being transferred. Since the update is done wirelessly, there are no labor costs or garage expenses incurred.

■ Communications

Netman™ uses the same network used to send messages to the fleet and is capable of sending files to the entire fleet, a group of vehicles, or individual vehicles. Because files are split into blocks, if vehicles miss some parts of the files, administrators can resend only the missing blocks instead of the whole file. Additionally, you can choose the time of the day for the update to optimize your channel usage.

■ Manage Your Own Download

Netman™ also provides the tools necessary to manage OTA downloads. Download statistics can be collected from the entire fleet, giving the system administrator a snapshot of the current status of the file transfer. When the MDT has received all the blocks in a file, it recreates the file and waits for further instructions from Netman™. The system administrator has full control over when the file is loaded on the MDT, and can specify which software version to load.



Over a private mobile radio network, Netman™ takes advantage of the ability to broadcast data to the entire fleet to efficiently use the available bandwidth.

Specifications

Network Controllers	Compatible with MNC™ or WiNG™
Security	Password Protected
MDT Platforms Supported*	MC1700™; MC1790™; GDT 890™**; iPilot 8000™; Vector Series™,
Download Features	
Private Mobile Radio Download	Yes
Cellular Network Download	Yes (WiNG™)
Maximum File Size	Up to 13 MB
File Format	ZIP Compression
Transfer Protocol	DDS proprietary transfer scheme
Channel Capacity Management	Able to limit the number of download messages broadcast per hour
Mobile Software Configuration Management	
Query Status	Get software version info for every vehicle; Get download status info for every vehicle
Version Control	Remote launch specific software version
Software Management	Delete specific software version
Reports	
Channel, Mobile & Port Reports	Statistics
Download Report	Status of a specific download
Automatic Reports	Yes
On-demand Reports	Yes
Message Broadcasting	
Selective Broadcast	Broadcast to: All / Group / MNC / Unit
On demand Broadcasts	Yes
Automatic Broadcasts	Yes

* Requires sufficient memory and mobile application support
 ** Memory Card needed



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DW Digital Wireless Inc. is dedicated to developing and marketing a wide range of in-vehicle mobile data terminals, peripheral devices and wireless communications infrastructure products to create indigenous solutions

Digital Wireless markets its products as an OEM supplier to systems integrators, solution providers as well as directly to customers.

11920 Forge Place
 Richmond, BC V7A 4V9, Canada

Tel: +1 604 241-1420
 Fax: +1 604 241-1440

sales@dw-wireless.com
 www.dw-wireless.com

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