

Muzicvault Operation guide

Congratulations!! You are now the proud owner of a MuzicVault digital audio player. The sophisticated PDA controlled MP3 player that will give you total control of your muzic. The MuzicVault was designed to be easy to use and as intuitive as possible however, we highly recommend reading the entire guide prior to using the unit.

What's in the box?

- MuzicVault Player
- Antenna
- 4 Self tapping mounting screws
- 4 rubber feet
- One set of keys
- Audio cable
- Installation software
- Car power cable
- If purchased as a complete system you will also have a PDA cable, USB drive bay (USB and power cables) and a drive cartridge
- Optional items may include fiber optic cable, cig adapter, or wall adapters

Installation

Car installation

1. Pick a location. You need to find a spot where you can have easy access to the removable drive bay door. The clearance must be enough for the cartridge to slide out. You should also consider access to power lines and antenna reception. If you plan to use the built in transmitter try not to position the antenna against any metal, which may degrade the signal. Mount the player with the included mounting screws or your own favorite hardware.
2. Connect the power. You'll need battery, ignition and ground connections. They can all be found on the back of your radio so this may be the best place to get to them. You should be able to split, then route them to the MuzicVault. Sometimes they can all be found going to a power antenna, or motorized seat control. Please get a local car dealer to help you with installation if you're not sure how to install such devices. Use the black wire for ground, red for battery, and yellow for ignition. Optional cigarette power adapter may be used as an alternate installation, but manual power control will then be required.
3. Attach the antenna and bend it upward and as clear from obstacles as possible. You may want to adjust the antenna position to obtain optimal reception. Excessive bending can damage the antenna.
4. If you don't want to use the FM transmitter or if your car has a line level input jack, you can use the MuzicVault line outputs. Your head-unit (the radio) may have optional inputs. Your radio may have a CD changer and using an optional adapter you may be able to switch between the

MuzicVault and the changer, or replace the changer altogether. The MuzicVault also has a switched line input so you can connect the player in series with a previously installed device, such as a changer. Please get a professional for further advice.

5. Connect the PDA cable to the connector labeled control. Wiggle the connector to make sure it's seated well and then make sure to tighten the connector screws. A good connection here is needed to ensure proper PDA battery charging. Run the PDA connector up to where you plan to keep the PDA. Optionally get a PDA mount from MPTRONIX for a great looking installation.
6. If using the FM transmitter the unit normally defaults as new to 87.9 MHz on the FM dial, so you might preset your car radio to this station. If you already have a station at this location or prefer a different location, the PDA application will allow you to change it to any station.

Home/Bar installation

While the player was originally designed for the car, many people have preferred an indoor installation. For an indoor installation use the optional wall power adapter. Install the 4 rubber feet to prevent scratches on smooth surfaces. In addition to the line output and FM transmitter, a fiber optic output is included for the ultimate digital audio connection.

Move the Muzic

Install the USB Drive Bay

1. Connect the power cable and make sure the drive bay power is off. Connect the supplied USB cable to a USB port. The drive bay can be used with USB 2.0 or 1.1 ports, however the 2.0 ports are much quicker, 12 million bits per second vs. 480 million bits per second. A USB 2.0 connection will be as quick as a normal internally installed hard drive.
2. Insert the drive cartridge firmly while making sure it's fully inserted. Use the cartridge key to make sure it's locked securely. It's suggested to reboot a PC now to insure a clean boot with no applications running.
3. Turn on the drive bay power. XP and 2000 machines should automatically detect the unit and acknowledge a newly available hard drive, no driver will be needed. Windows 98 machines will require the included driver. When windows tries to find the driver, select "have disk" and select your floppy for the files. Windows should immediately see the correct driver and install it, after which a new hard drive should appear. Consult the actual driver installation instructions for further help if needed.

Moving Files

Since your MuzicVault drive has a very large capacity you have the luxury of being able to lay out your files in a logical manner. In order to ensure the best PDA speed and ease of use we suggest the following file sorting.

BAND (First level directory)
 ALBUM (Subdirectory)
 Individual song files (MP3's)

Directories with hundreds and hundreds of individual files may be used, however it's less efficient and may degrade PDA search speed slightly.

Now copy your MP3 files to the drive cartridge, and that's it!!

When done always remove the drive properly, this is normally done by clicking a small icon in the Windows icon tray at the bottom right-hand side of the screen prior to actually turning off the power. Unlock the drive then carefully pull the handle. The cartridge should easily eject, forcing a locked drive can damage it.

Optional Software

Each drive cartridge will include some extra software and free muzic.

MusicMatch is the ultimate software to create and organize all of your MP3's on a PC. Use it to convert all of your obsolete CD's into MP3's, it automatically fills in all of the song info and creates directories in a manner as described previously.

Check out the muzic made by MPTRONIX employees and their friends.

PDA Setup

Install the PDA application

Download the latest PDA application from the MPTRONIX website, or retrieve it from the supplied muzic cartridge. Copy the application to the PDA with a vendor supplied application, such as "Install Tool" for the Palm. You may also be able to beam it from a friend that also has a PDA.

Palm Setup

In order to make the Palm PDA wake up and run the MuzicVault application each time you start your car, you'll need to set a couple options.

1. In the Palm PDA, go to Prefs, then General (Tungsten users; Prefs, General, Power). You might want to set Auto-off to 30 seconds which will make the PDA automatically turn it's self off quickly when you turn off your car.
2. Check the "stay on in cradle" box, this will keep the PDA running while the MuzicVault is running. PDA's without an internal battery will not have this option, but the PDA application has an option to keep the Palm awake.
3. Go to the buttons section (Tungsten users; Prefs, Personal, Buttons, More...), now click on the "Hotsync..." button, then for Modem, set to MuzicVault. This will cause the PDA to run the MuzicVault player application each time the car is started or you manually power up the player.
4. Turn off the PDA and connect it to the MuzicVault cable.

Use the Vault

Insert the drive cartridge into the MuzicVault with a firm push, make sure it's all the way in, and then lock it with the drive key.

Power up the unit, start your car or use the cable button. If installed properly in a car the unit will turn on only if the car is running or in accessory mode. The unit will also remember the last setting you left it in, so if you manually turn it off in your car with the PDA cable, it will not turn

back on unless you use the cable again. Normally you can leave it on and it will turn on and off as you use your automobile. If you are using the FM transmitter a new unit should default to 87.9 MHz, but if you hear nothing at that position or you have a local station there, you will need to set a new station as described below.

If the PDA was properly set up as described, upon power, the PDA will wake up and run the MPTRONIX application. If you have not used the software before it will ask to scan the drive and create the file database. It is recommended to scan the entire drive, but not required, which will take a couple of minutes per 10GB of used space. You can also choose to just browse the drive and the database will be created as you browse, however browse speed will be slightly slower. You can scan the drive at any time and even listen to muzic as its being done. A pop up progress bar shows you what's going on during the scan.

You can now use the PDA to play anything you want instantly, create personal playlists and control the player settings.

PDA operation

The PDA application has four primary modes which can be selected by the small icon shelf at the top of the application. Other options are available by using the top slide down bar.

Play Page

Shows the song play status and controls. Song progress bar allows you to jump anywhere in the current track. Normal play controls, play/pause, stop, FF, REW, random, repeat. EQ and an ADD song to playlist button also are on this page.

Browse Page

You can browse the drive. Tap a directory to enter, use the up arrow button to move back up. Click on the play button to play that song or directory. Press the cue button to add it to your current cue. The AB button will sort your items by name. Use the rescan button to rescan a particular directory. The add button will add that item to a particular playlist. The Palm OS handwriting recognition can also be used by writing a letter and the items that start with it will be shown.

Playlist Page

View the current cue. Create a playlist or edit an exiting playlist. Reorder a playlist by moving items up or down. Save the current cue to a playlist for later playback.

Settings Page

The general settings control basic operation of the MuzicVault and application. The FM setting allows you to select the frequency of your FM transmitter. The communication settings select between serial or Bluetooth connections if you have a Bluetooth enabled PDA.

The top options bar can be used for clearing your database and rescanning the drive.

PDA application help can also be found by tapping the '?' button at anytime.

FM Channel Selection

If you plan to use the FM transmitter function of the MuzicVault you must first pick a clear station in your particular town. The MuzicVault defaults to 87.9 MHz, so when you first install the unit you may not be able to hear the audio and will need to set a new transmitter frequency.

1. Turn on your radio and move around the dial to find a couple stations that have no audio or just static. Pick a couple spots and write down the radio channels.
2. Using the PDA application, go to the settings page and use it to control the output frequency. Once the MuzicVault is on the correct station you should hear the muzic appear.
3. Listen to the sound quality for noise. If the muzic quality needs improvement, make sure the flexible antenna is in a good position and not up against any metal. Try a couple different channels, which can greatly affect the signal quality or characteristics.
4. If you hear a little noise only at the loudest parts of the music you are playing, you may need to decrease the player volume, first uncheck "line out", and then adjust accordingly.

Note

The MuzicVault has a small internal transmitter with limited range which can be used for personal use on unused channels, however licensed FM broadcast stations and their listeners have ultimate rights in the FM frequency band. If your operation of the MuzicVault interferes with anybody's use or enjoyment of an FCC licensed transmission of any kind, your only chose is to immediately terminate or change the frequency of your transmitter.

Specifications

Drive capacity: Unlimited size, 2.5" IDE hard drive
Power: 9-18VDC, optimal 12VDC, 800ma, 10W max.
Outermost Dimensions: 8.25" W x 14.25" L x 2.25" H (210mm x 362mm x 57mm)
Weight: 6.75lbs (3.0Kg)
Frequency Response: 20Hz – 20 KHz
Signal to Noise: >95db
Digital EQ: +/- 12db bass and treble
Total Harmonic Distortion: .01%

Troubleshooting

Drive bay

The most issues are usually caused by not fully inserting the drive cartridge or by a poor connection. If the unit stops responding reinsert the drive cartridge one or more times to ensure a good clean connection. Make sure the drive key was switched on and in the locked position. Rebooting the PC may also correct a drive problem.

MuzicVault

Make sure to use the drive key and lock the drive cartridge. Make sure the cartridge is fully inserted or reinsert a few times to ensure a good clean connection. Ensure the PDA cable is

seated well and tightened. Use the indicator lights to make sure everything is working properly and the unit has power.

PDA Application

Ensure PDA setup is complete. Check for the latest code. Reinstall the software by first deleting the MuzicVault application or delete the database and rescan the drive. Make sure to check the center cable light blinks to verify communication.

Check the MPTRONIX website for updated PDA software and player firmware updates.

Check the MPTRONIX website support page for frequently asked questions.

For more help please email us at **support@mptronix.com**

Registration

Owners can register their units via the web at **<http://www.mptronix.com/reg.html>**

MPTRONIX welcomes all suggestions, please email us at **sales@mptronix.com**

Notes

The MuzicVault is designed to conform to applicable provisions of Part 15 of FCC rules. The users of this device assume responsibility for lawful uses conforming to FCC Part 15 rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

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www.mptronix.com
2700 Braselton Highway
Suite 10280
Dacula, GA 30019