



MANAGE A SQL DATABASE

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This document provides supplemental instruction with regard to limited management of the SQL database for GigaTrak applications. This may be used as a guide to backup, restore, or delete/replace the SQL database.

This document is NOT intended, nor should it be used, as a substitution for individual company protocol or procedures for database backup and management practices.

Typically, the name for the GigaTrak product database is win_ats.

SQL SERVER MANAGEMENT STUDIO

1. First, run Microsoft SQL Server Management Studio
2. Ensure the initial screen parameters are correct (Server Type, Name, Authentication, etc.)
3. Select "Connect" to open the session.
4. Select the databases folder.
5. Highlight the database to be backed up, restored, or deleted. Ex: win_ats

BACKUP THE DATABASE

1. Once highlighted, right click on the database to bring up a drop-down menu.
2. Select "Tasks" → "Back Up"
3. From the resulting screen:
 - a. Set the Backup Type as Full
 - b. Set the Backup Component as Database
 - c. Set the Backup Name
 - i. Ex: win_ats-Full Database Backup
 - d. Set the Backup Destination
 - i. Note the path and file name
 1. By taking note of the name and path of the file, additional backups could be made by copying that file to a separate disk/location.
 - e. Select "OK"
4. The backup should be confirmed as successful. Select "OK" to complete.

RESTORE THE DATABASE

1. Once highlighted, right click on the database to bring up a drop-down menu.
2. Select "Tasks" → "Restore" → "Database"
3. From the resulting screen:
 - a. Set Backup to database
 - i. Select the database. Ex: win_ats
 - b. Select Backup from database
 - i. Select the Backup filename. Ex: win_ats
 - c. Check the "Restore" file box
 - d. Select "OK"
4. The backup should be confirmed as successful. Select "OK" to complete.

DELETING THE DATABASE

1. Once highlighted, right click on the database to bring up the drop-down menu.
2. Select "Delete"
3. Verify that the correct database is selected
 - a. Check "Delete Backup and Restore History Information for Databases"
 - b. Select "OK"
4. The delete will execute
5. The database will be removed:
 - a. win_ats will no longer be an option in the databases listing.

Once a database is deleted, in order to reinstate a clean database, you will need to recreate it and rerun the database scripts provided with your GigaTrak software. You can reference the SQL Supplement ATS document, found on the Client Center section of the GigaTrak website.

Restore From Backup

1. Make a copy of the version you wish to restore from the files that are in the \dbbackup directory.
2. Place this copy in the main application directory. (ex. \Asset Tracking System)
3. Make a backup copy of the main file "win_ats.mdb" –just in case you change your mind.
4. Then, move the original main file "win_ats.mdb" to a separate drive/backup directory.
 - a. These last two steps effectively remove the existing database from the Application's reach. You can always "restore" it by re-copying it back into the main directory.
5. Rename the copy of the backup database version to be restored:
 - a. Ex: "win_ats1.mdb" → "win_ats.mdb"
6. You have now replaced your database with a backup copy.

REPLACE DATABASE WITH CLEAN VERSION

1. Locate the GigaTrak application directory on your PC (if a standalone workstation) or on a Server (if a networked system). An example might be (C): \GigaTrak\Asset Tracking System \.
2. Look for the database files "win_ats.mdb" and "win_ats_clean.mdb".
3. Make a backup copy of the main file "win_ats.mdb"—just in case you change your mind.
4. Move the original main file "win_ats.mdb" to a separate drive/backup directory.
 - a. These last two steps effectively remove the existing database from the Application's reach. You can always "restore" it by re-copying it back to the main directory.
5. Make a copy of the clean database
 - a. Ex: "win_ats_clean.mdb" → "win_ats_clean_copy.mdb"
6. Rename this copy of the clean database

- a. Ex: "win_ats_clean_copy.mdb" → "win_ats.mdb"
7. You have now replaced your database with a clean version. You will need to:
 - a. Restart the application
 - b. Log in as the administrator
 - c. Re-register the application with the Customer Ident & License Key that were provided with the original software license download. (received when the product was purchased.)
 - d. Start fresh with setting up, adding, or importing system data.

MOBILE HANDHELD TERMINAL

If you are also using mobile handheld data terminals with the GigaTrak application, you should also remove their existing database before resynchronizing with the application Download function.

1. First, establish a communication connection to the handheld terminal via Windows Mobile Device Center or Windows ActiveSynch.
2. Once connected, select "File Management"
3. This will display the Pocket_PC (or handheld device) drive directory on the PC desktop.
4. Select the handheld terminal directory.
 - a. The name of this directory will depend on what brand of handheld terminal you have.
5. Locate the ats_mob.sdf file that pertains to your ATS application.
 - a. Right Click on it
 - b. Select Delete
6. You'll need to re-initialize the handheld database, once you've re-populated the main application database.
 - a. The next time the handheld is synchronized with the PC application, there may be a message that the data file doesn't exist. Simply follow the prompts and the new database will be installed.