

Importing a Normals Database

OVERVIEW

Once a normals database has been created, it must be imported into 4DM so that it can be used for comparison against the patient datasets. There are three main steps to ensure a database has been imported accurately and is ready for use. The user needs to activate the DB Editor screen, import the normals database, and then edit the dataset matching strings to ensure the database auto-matches.

HOW-TO GUIDE

Activating the DB Editor Screen

The DB Editor screen displays all polar map data used for creating the selected Normals Database in 4DM. Additionally, the user can import and export normals databases from the DB Editor screen. The DB Editor screen comes inactivated in 4DM's standard configuration and requires activation for the screen to be visible in the workflow. Follow the steps below to activate the DB Editor screen.

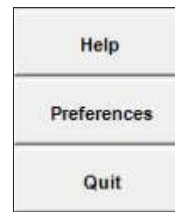


Figure 1. Select Preferences in the Control Panel

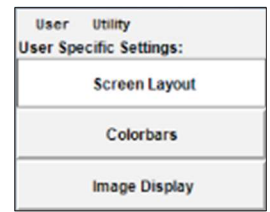


Figure 2. Select the Screen Layout page

1. Launch a reconstructed patient dataset into 4DM.
2. Activate the **DB Editor** screen by selecting the Preferences button (Figure 1) from the Control Panel.
3. Within the User Specific Settings, select the **Screen Layout** page (Figure 2).
4. Navigate to the **Inactive Screens** list, select the **DB Editor** screen from the list (see 1 Figure 3), and click **Activate Screen** (see 2 Figure 3). Once the screen is activated, it appears at the bottom of the Active Screens list.
5. Select **Save** to exit Preferences.
6. The DB Editor screen now appears as the last screen in the workflow.



Figure 3. Activate DB Editor screen

Importing a Normals Database

1. Select the **DB Editor** screen from the Screen Selector Panel (Figure 4).
2. From the Toolbar, select the **Import Database** icon (Figure 5).
3. Within the Import Database window, navigate to the folder where the normals database is located and click **Open**.
 - The normals database is imported and copied into the local workstation's **Site Database Directory**.

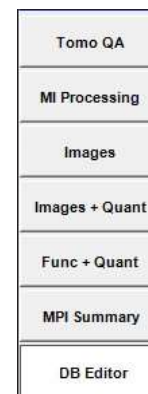


Figure 4. Select the DB Editor screen from the Screen Selector Panel



Figure 5. Select the Import Database icon

Set up the Dataset Matching Strings to Auto-Match

There are standard string names generated by medical cameras which are automatically recognized by 4DM when a patient dataset is imported into the application.

When adding a new 4DM Normals Database, the string will generally not auto-match to the comparison database. This step is necessary to examine the various strings to ensure they will accurately compare the patient dataset to the appropriate normals database.

If the site creates a new database using its own patient datasets, you can skip this section - dataset strings will auto-match. 4DM automatically assigns reconstructions parameters specific to the datasets that were originally used to create the normals database.

1. Navigate to **Preferences** in the Control Panel.
2. Navigate to **Dataset Matching Strings** page (see ❶ Figure 6)

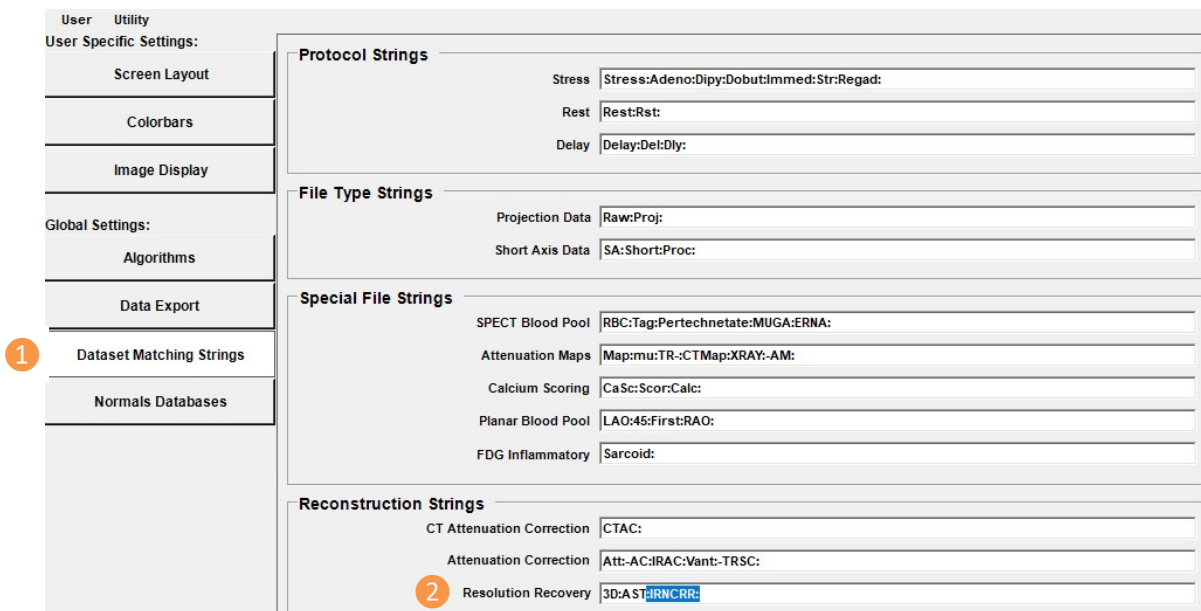


Figure 6. Dataset Matching Strings page in Preferences

3. Locate the string that requires modification. The **Reconstruction Strings** section contains the strings that may require modification for auto-matching purposes. These strings populate based on the camera and study type.
 - 4. Review the strings for accuracy. Contact INVIA Support (support@inviasolutions.com | 734.205.1231 x1) if you have any questions about string modification.
 - For example, for the GE Evolution (NC) databases, IRNCR: must be added to the Resolution Recovery dataset matching strings to auto-match in Corridor4DM v2024 and earlier (see ❷ Figure 6).
5. Once you have completed any string modifications, click **Save** in the lower left of the Preferences screen.
6. **Quit** 4DM
7. Launch a reconstructed patient dataset into 4DM to confirm that it auto-matches to the normals database.
8. Verify that polar maps populate on the MPI Summary Screen and that the desired Normals Database populates in the drop-down.