

DMS8000

Graphical Map Configuration

For:

- MM8000 Management Station MP4.70
- MT8001 Management Terminal MP4.30

With WW8000 Composer

Quick Reference Guide

Getting started




In the Composer project, maps are located in:
 Supervisor System Settings → <MM8000 System> → Logical Configuration → Graphic Maps

File types supported (for background layer):

- Autocad: dxf, dwg, shp
- Pixel-based: bmp, jpeg, pcx
- Windows metafiles: emf, wmf

Creating a map

To create a map, select the following:

1. The **map** icon  from the procedure icons to the left of the Composer tree.
A map node appears in the tree.
Note: To organise maps, select the folder icon, then store the maps in the folder.
2. The **new map** node in the tree.
3. **Edit Map** in the Node tab to launch the map wizard.
Note: The simplest way to create a map in the wizard is to select the **Pixel-based Map** option, and then use the default settings. You can modify resolution units, map size, and background colour later using the *Map* menu command in the graphical editor.
A new-map wizard starts and the graphical editor displays.
4. The appropriate **insert file** icon () to import a background layer.
5. The **edit layers** icon  to open *Layers* window.

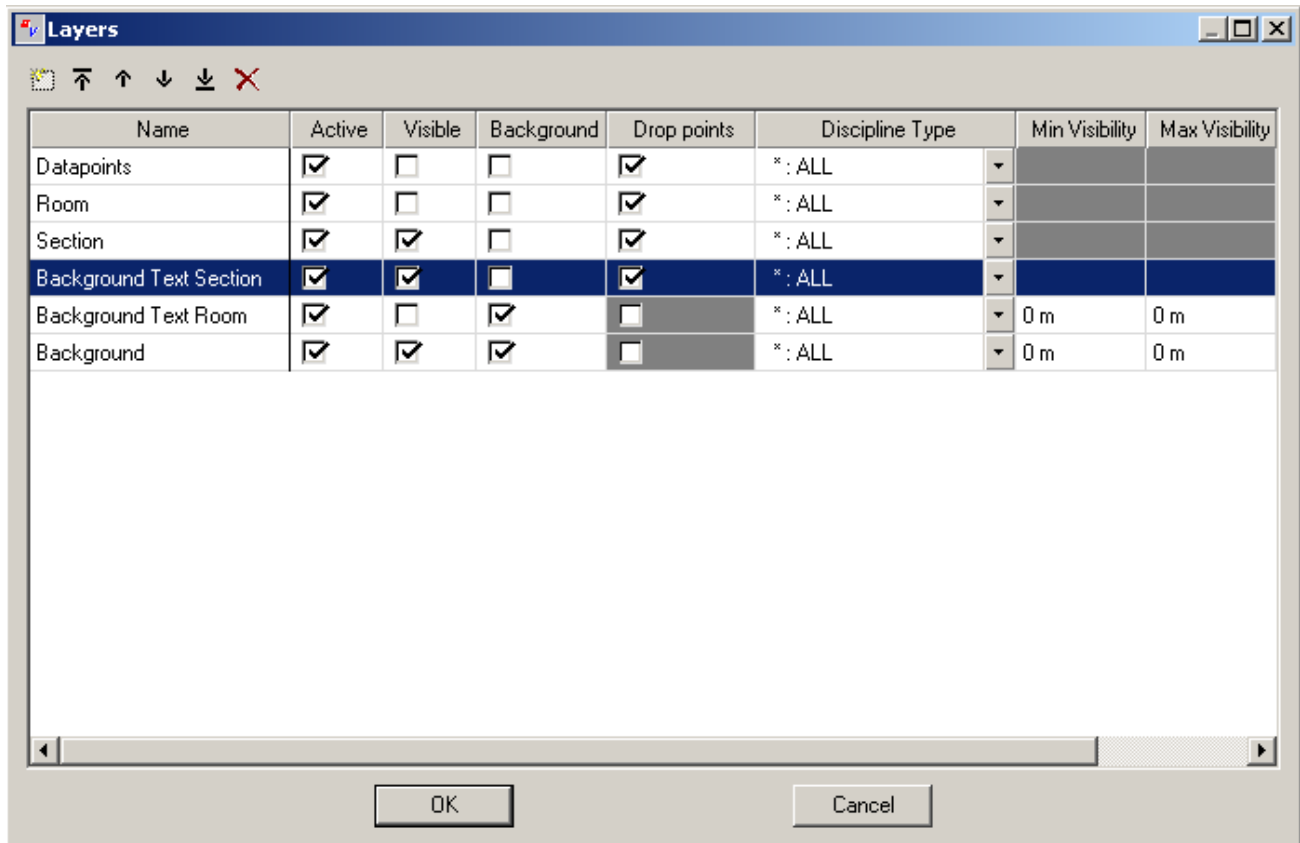




Fig. 1 Layers window

6. The **new layer** icon  to define at least one foreground layer. When finished, select **OK**.
Note: Double-click on the name to rename.

To create a map, select the following: (cont'd.)

7. The **zoom factor** for a new depth using the **zoom in** , **zoom out** , or **zoom control**  icons.

8. The **new depth** icon  to create a new depth to associate to a foreground layer.
The Depths window opens.

9. Deselect any background layers you don't want associated to the depth.

10. Select the associated **foreground layer(s)**.

Note: A depth combines one or more foreground and one or more background layers. A depth is the graphic shown on the screen. Multiple depths allow the user to quickly change views. (Dive down/up.) A foreground layer can only be associated to one depth. Limit one depth for MT8001.

11. Repeat steps 7-10 for each depth.

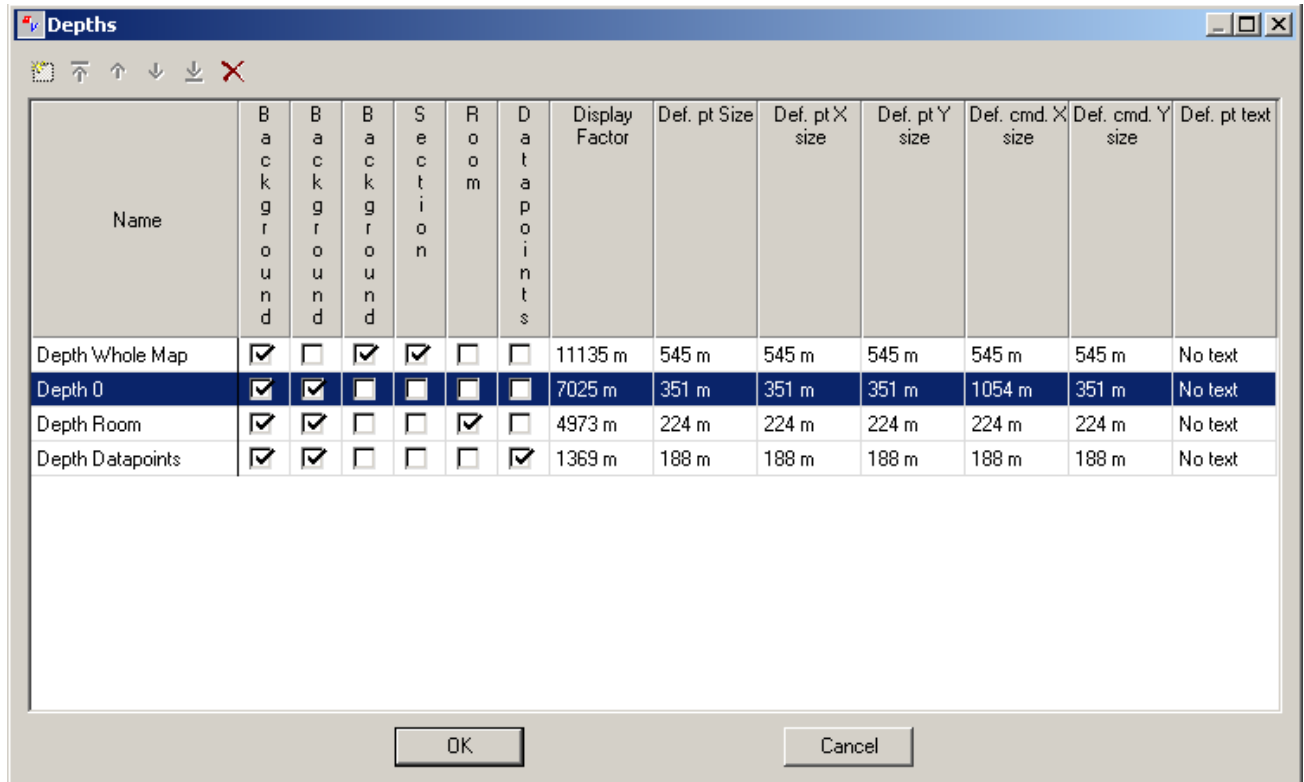


Fig. 2 Depths window


Configure foreground layer(s):

1. Select a **depth** from the right drop-down arrow (located near top of screen).

2. Select the associated **foreground layer** from the left drop-down arrow.

3. Select the **adjust dimension** icon  to display the Composer tree on left and map on right.

4. Drag points from the tree and drop onto the map.

Note: To resize initial object on the map, select the object, drag the edges to the size you want, then select the **Set default object size** icon .

Test the map:

Test mode allows you to test visibility effects, etc. simulating MM8000 in runtime.

– Select the **test toggle** icon  in edit mode to go to test mode.

Note: Select the test toggle icon again to return to edit mode.

Using the graphical editor

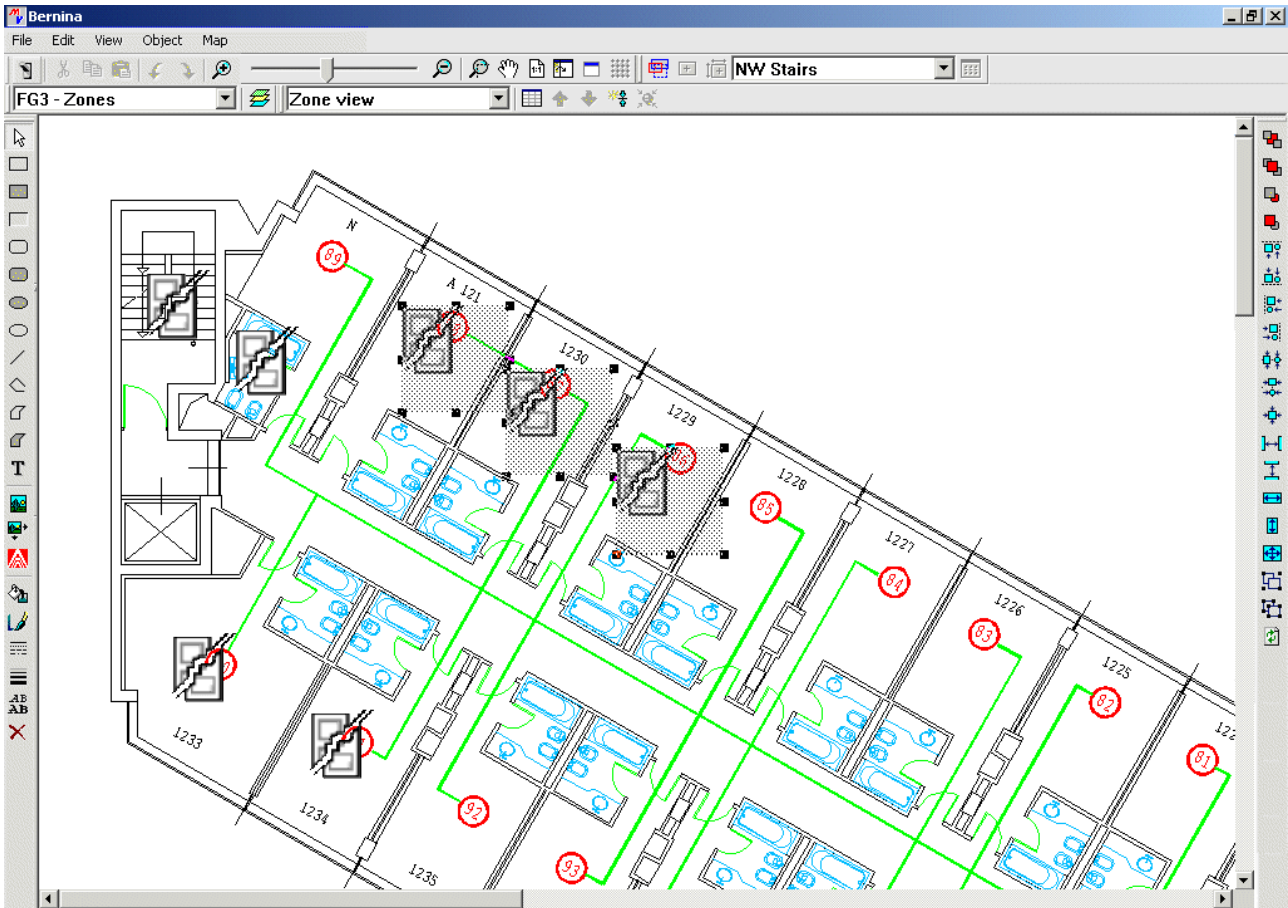













Fig. 3 Graphical editor (selected objects appear in greyed grids)

The following tables illustrate the graphical editor tools and briefly describe their functions.

→ For function details, see *DMS8000 Graphical Map Configuration guide* (STEP #A6V10062441).

Item:	Tool function:	Item:	Tool function:
Drawing tools		Import tools	Import file (background layer)
	Select object(s) Hints: – Hold CTRL and left-click to select multiple objects – Hold ALT to select objects on different layers		– Bitmap
	Rectangles & Ellipses		– Metafile
	Lines & Polygons		– AutoCAD
	Text box	Set defaults	
			– Fill and line colours
			– Line style & thickness
			– Font
			– Delete selection

Item:
Object size, positioning tools



Tool function:
Move relative object
– To back/front
– Backward/forward



Align object
– Top/bottom
– Left/right



Centre object
– Vertically/horizontally/both

View tools



Pan



Adjust view to screen size



Split screen to display Composer tree for drag and drop



Open aerial view window



Set/unset grid

Zoom



Zoom in/out



Zoom control



Zoom into a selected window

Manual pages



Toggle page mode to create a new page manually

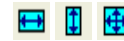


Edit/delete manually created page

Item:
Object size, positioning tools



Space objects at same distance across/down



Make objects same width/height/both



Group/ungroup objects



Refresh objects

Layers



Add/delete foreground layer (opens *Layers* window)



Create new layer



Move up/down layers list (to top/one/



down one/to bottom)



Delete layer

Depths



Add/delete depths (opens *Depths* window)

Note: See Layers section above for Depth window tool functions.



Show depths



Set object default size



Create new page – fixed proportions



Create new page – free proportions




Configure background layer animations based on pending events:

1. Add the graphic object to animate in the background layer.
2. In the property window (right click), select the **Associated Points** tab.
3. Select the points to associate (among the ones present in the map) and set the colour attribute according to the most severe event present within the set defined as **Selected categories**.
4. If needed, select the **Add Blinking** option.
5. Show or hide the object when none of the considered events is pending.

Creating map pages manually

Create a manual page when the automatic page calculation (based on layer and depth) will not display the map you want.

To manually create map pages, do the following:

1. Open a map. (Select map node in tree, and then **Edit Map** in Node tab.)
2. Select the **toggle page mode** icon  to open page mode.
3. Select **new page** icon  for fixed proportions or  for free proportions (MM8000 only).
4. Select an **area** on the page by dragging the rectangle.
Note: To resize the shape, drag the edge.
5. Name the page.

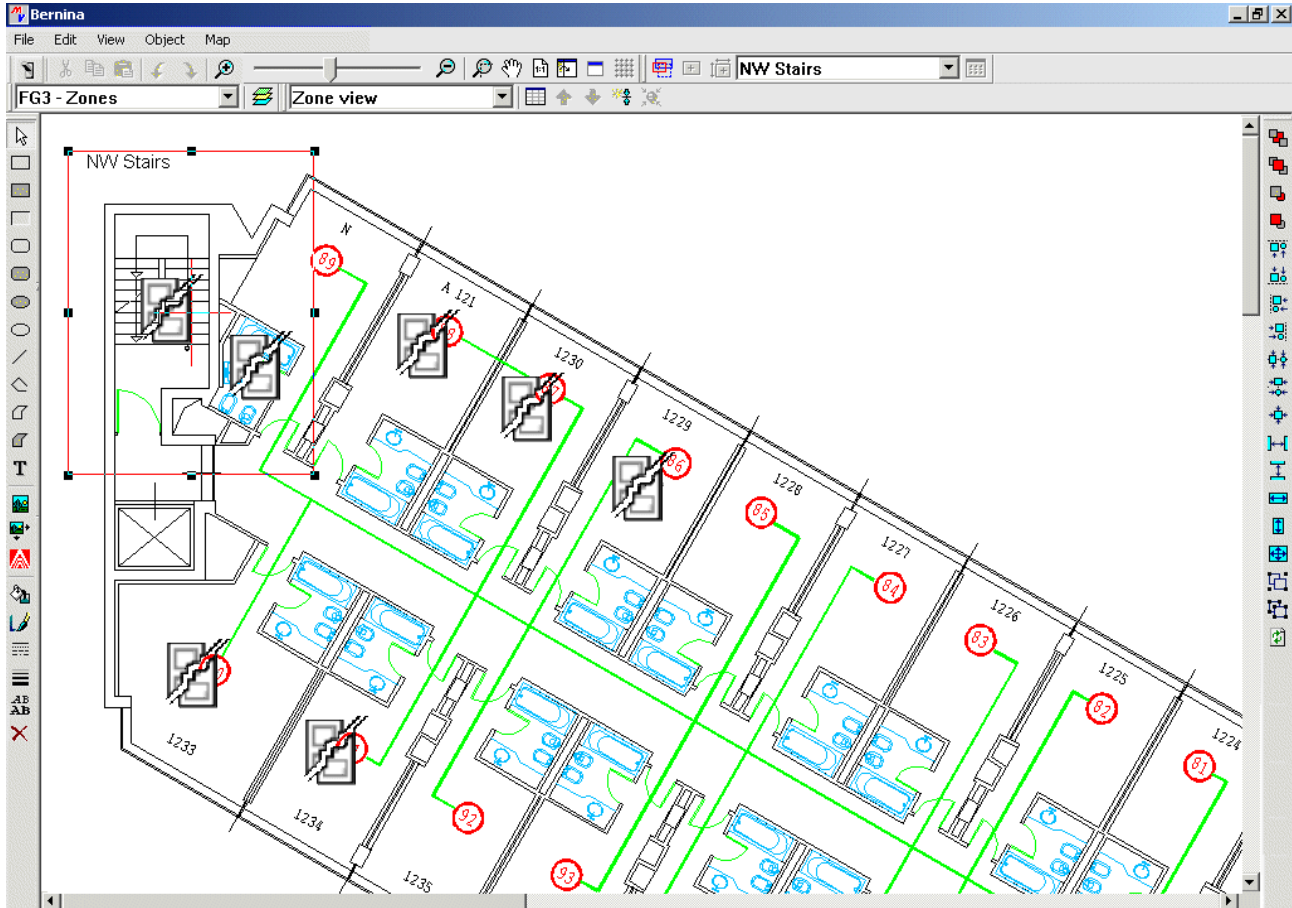



Fig. 4 Manually creating pages – rectangle shows new page, page name

To edit or delete manually created pages:

- Select the **edit pages** icon  to display the page list dialog box.

Associating a manual page to a datapoint

To associate a manual page to a data point, do the following:

1. Select the desired point node in the tree.
2. *MM8000*: Select the **Event Treatment** or **Plant Browser** tab.
MT8001: Select the **Pages** tab.
3. *MM8000*: Select the manual page in the *Preset pages* pane, then select the **assign** icon .
MT8001: Select the **map** in the *Configured Maps/Pages* pane to add to the *Maps/Pages* pane.

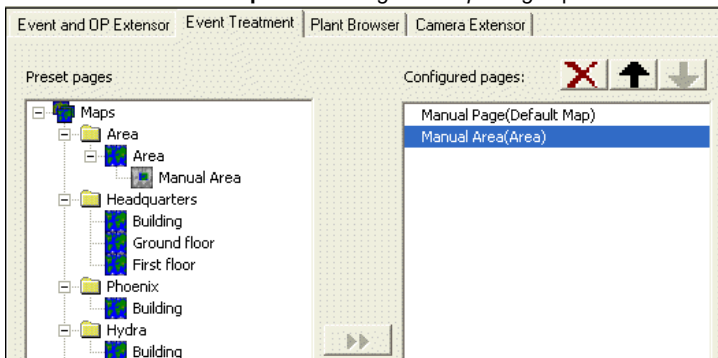


Fig. 5 Associate a page manually (MM8000 shown)

Creating default pages

Define a general default page used for all data points that have no associated graphic. In addition, you can also define a customized default page for separated sections of the project structure (sub-trees). Sub-tree default pages have higher priority and replace the general default page for all runtime association uses.

Note: Only a manual page can be used as a default page.

To associate a default page to all data points, do the following:

1. Create the default page.
2. Select the **Point Page Extension** node (*Supervisor System settings* → *MM8000* → *Logical configuration* → *Point Page Extension*).
3. Select the **default map page** in the *Preset pages* area.
4. Select the **Set as Default** button.

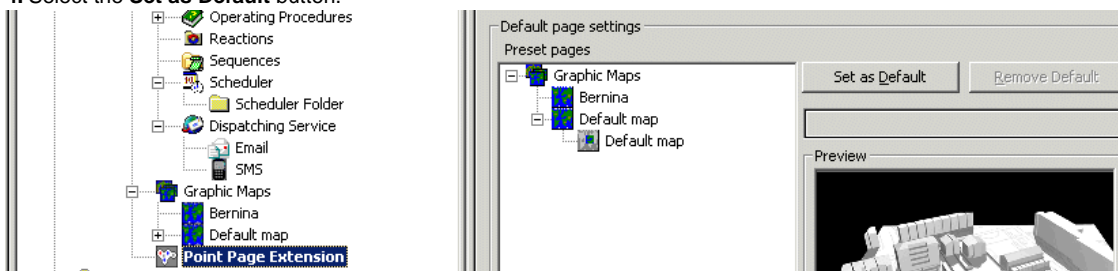


Fig. 6 Create a general default page

To associate a default page to a sub-tree, do the following:

1. Create a manual page to use as the subtree default page.
2. Select and extend the **Graphic Maps** tree to show the default page node.
3. Select the top node of the subtree (it can be a folder node).
4. Drag and drop the subtree node on the page node.

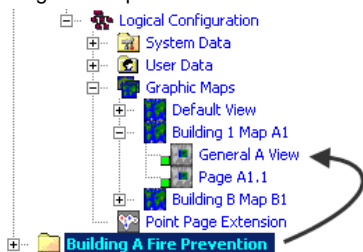



Fig. 7 Create a sub-tree default pages

Associating maps to procedures

Insert a map step into an operating procedure to display a map with the event location.

Note: This feature is not available for the MT8001 Management Terminal. See the *MT8001 ICC* (STEP #A6V10096181) for details on how to ensure that points deposited on a map will display a graphical view during event treatment.

1. Select the desired **operating procedure** node.
2. Select the **Map** icon  to insert a map step.
3. Complete the **Step Title** and **Description** fields.

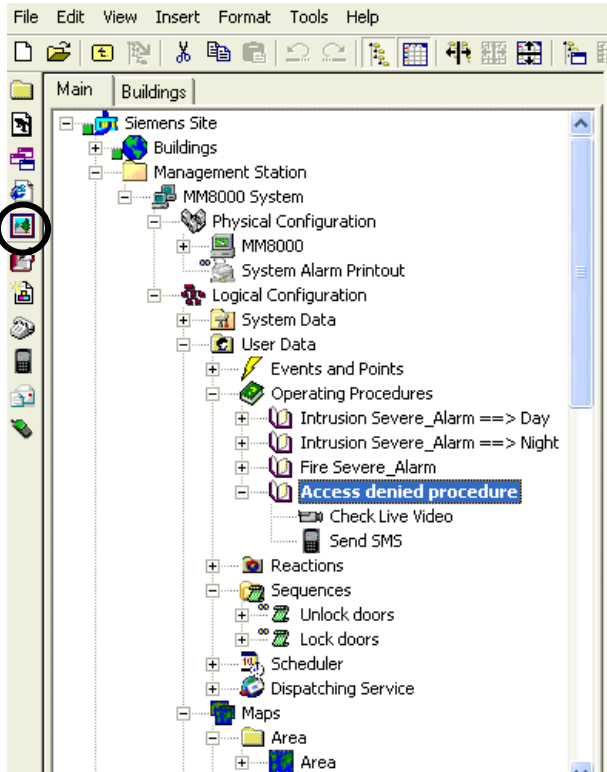


Fig. 8 Insert map step (map icon encircled on left)