

Technical paper 8

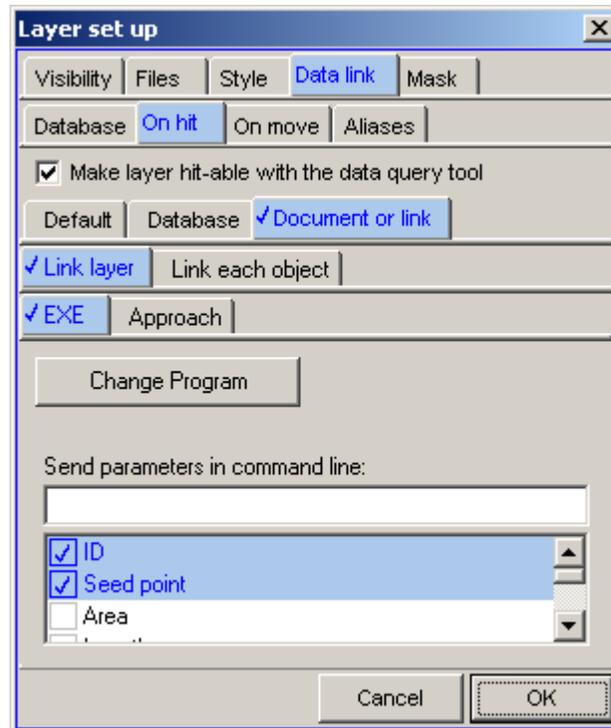
Simple linking to 3rd party software



Last amended: 28th September 2005

1.1 Calling a program from Map Maker

In Map Maker, load a vector layer. In “layer set up” go to “Data link – On hit – Document or link – Link layer – EXE”.



Click on the “Change program” button to select the 3rd party program file. The list at the bottom of the dialogue box displays a number of optional parameters that can be sent by Map Maker as command line parameters to the 3rd party program. In this example “ID” and “Seed point” have been selected.

When the user use the “Data tool” to click on an object in this layer the command line parameters sent to the selected program will be:

```
HITS=1
HIT=1
ID=Object 123
Seed X=123.45
Seed Y=456.78
```

If the user had selected three objects by drawing a selection rectangle, for instance, the external program will be called three times with the “HIT” value set to 1,2, and 3.

1.2 Calling Map Maker from a program

To send a command to Map Maker use the small utility program Mmmacro.exe, which can be downloaded from the downloads page of the [web site](#). Your program should send command line parameters to Mmmacro which will pass these on as commands to Map Maker, which must already be running.

Available commands are:

goto

```
Command=goto,  
x=123.456,  
y=478.432
```

i.e. "c:\Map Maker\Mmmacro.exe" "command=goto,x=123.456,y=789.123"

zoom

```
Command=zoom,  
scale=5000
```

zoom and Goto

```
Command=zoom and goto,  
x=123.456,  
y=478.432,  
scale=5000
```

zoom relative

```
Command=zoom relative,  
factor=2.4
```

move layer up

```
command=move layer up,  
name=roads
```

move layer down

```
command=move layer down,  
name=roads
```

hide layer

```
command=hide layer,  
name=roads
```

If "hide layer" is called for a layer that is already hidden then the layer is shown.

remove layer

```
command=remove layer,  
name=roads
```

add layer

```
command=add layer,
filename=c:\my map\roads.dra,
name=roads
```

Additional lines can be added using any lines found in a map layer definition of a GEO file, e.g:

```
command=add layer,
filename=c:\my map\roads.dra,
name=roads
label=Display label
```

Alternatively, the “filename” can be omitted and the lines can all be in the form found in a map layer definition in a GEO: e.g:

```
command=add layer,
directory=C:\Map Data\Demo data\
file 1=east.DRA
file 2=west.DRA
file type=DRA
files=2
label=Display label
name=roads
style choice=internal
styles=default
```

move layer to live layer

```
command=move layer to live layer,
name=roads
```

load live layer

```
command=load live layer,
filename=c:\my map\roads.dra
```

If you want to add a file to the live layer with a database then add lines of this form

```
command=load live layer,
filename=c:\my map\roads.dra,
database=c:\my map\transport.mdb
table=roads
link=ID
```

If the database is a DBF file:

```
command=load live layer,
filename=c:\my map\roads.dra,
database=c:\my map\transport.dbf
link=ID
```

clear live layer

```
command=clear live layer
```

save project

```
command=save project,  
filename=c:\my map\transport.geo
```

load project

```
command=load project,  
filename=c:\my map\transport.geo
```

print

```
command=print  
template=c:\my map\a4 page.ptp,  
scale=10000,  
show dialogue=no
```

If the “show dialogue=no” line is omitted, or set to “yes”, then the final print dialogue is displayed.