

Application Note



4200 Series- Standalone MTL Database Display

Reference: 048-2



The MTL Database display is a very useful tool that may be used to display information about the component interconnections, cluster names and test point numbers. Whilst the database display is primarily intended for use by the programming engineer, this application note explains how a simple script can be used to automatically run the Database display from a Windows desk-top icon, allowing it's use by production and repair personnel.

Note that to use this facility, a copy of the Hummingbird Communications "Exceed" X-Server software MUST be installed on the PC.

Implementation

The MTL code shown on the right should be copied into a file called "dbstartup.mtl". This should be saved into a folder that is within the MTLSearchPath (eg \IFR\RELEASED or \IFR\USERS\OPERATOR).

A Desktop shortcut must now be created. To do this, right click anywhere on the Windows desktop with the mouse. Select the "New" option followed by "Shortcut".

In the "Command Line" box, type in the following command as ONE long line:

```
C:\IFR\WINSYS.NT\BIN\rixvt.exe -name xmtl -e
C:\IFR\WINSYS.NT\BIN\MTLx.exe -V -Sdbstartup.mtl
```

Click "Next" and enter a name for the shortcut (eg "Database Display")

Now right click on your new shortcut, select "Properties" and enter the target directory to where the Database display should look for the .mdb files, for example \IFR\USERS\OPERATOR (You can load files from other folders through the file selector dialog). Double clicking on the Icon will start MTL, but only the MTL Database window will be visible.

Double clicking on the shortcut icon will start up the Database display.

MTL Listing for "dbstartup.mtl"

```
(* Destroy the MTL Executive window *)

XLib.XWithdrawWindow(atoi(getenv("RIXVTXWINID")))

XLib.XSync()

(* Prevent Visual Services (ToolBar) from
initialising on library load *)

Xm.ProcessXEvents := Off

(* Load Standard Visual library *)

Library "Visual", Visual

(* (Re)Enable XEvent processing *)

Xm.ProcessXEvents := On

(* Function to Close down MTL on Database Display
popdown *)

:PopFN(mode Visual.TopLevelShell.UpDown) void
{
if (mode=Down)
{
VMTL.FakeKey(K_QUIT)
VMTL.FakeKey(K_YES)
}
}

(* Load DataBase Display application *)

Library "DataBase", XaDataBase

(* Create the DataBase application *)

XaDataBase.XaDataBase.CreateApp()

(* Register Pop function to exit MTL on DataBase
Display window close *)

XaDataBase.XaDataBase.App.AddPopFN(PopFN)

(* Popup the DataBase Display App *)

XaDataBase.XaDataBase.App.Popup()
```

For the very latest specifications visit www.aeroflex.com

CHINA Beijing

Tel: [+86] (10) 6539 1166
Fax: [+86] (10) 6539 1778

CHINA Shanghai

Tel: [+86] 21 2028 3588
Fax: [+86] 21 2028 3558

CHINA Shenzhen

Tel: [+86] (755) 3301 9358
Fax: [+86] (755) 3301 9356

FINLAND

Tel: [+358] (9) 2709 5541
Fax: [+358] (9) 804 2441

FRANCE

Tel: [+33] 1 60 79 96 00
Fax: [+33] 1 60 77 69 22

GERMANY

Tel: [+49] 89 99641 0
Fax: [+49] 89 99641 160

HONG KONG

Tel: [+852] 2832 7988
Fax: [+852] 2834 5364

INDIA

Tel: [+91] 80 [4] 115 4501
Fax: [+91] 80 [4] 115 4502

JAPAN

Tel: [+81] (3) 3500 5591
Fax: [+81] (3) 3500 5592

KOREA

Tel: [+82] (2) 3424 2719
Fax: [+82] (2) 3424 8620

SCANDINAVIA

Tel: [+45] 9614 0045
Fax: [+45] 9614 0047

SINGAPORE

Tel: [+65] 6873 0991
Fax: [+65] 6873 0992

TAIWAN

Tel: [+886] 2 2698 8058
Fax: [+886] 2 2698 8050

UK Stevenage

Tel: [+44] (0) 1438 742200
Fax: [+44] (0) 1438 727601
Freephone: 0800 282388

USA

Tel: [+1] (316) 522 4981
Fax: [+1] (316) 522 1360
Toll Free: 800 835 2352

As we are always seeking to improve our products, the information in this document gives only a general indication of the product capacity, performance and suitability, none of which shall form part of any contract. We reserve the right to make design changes without notice. All trademarks are acknowledged. Parent company Aeroflex, Inc. ©Aeroflex 2011.

www.aeroflex.com
info-test@eroflex.com



Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.