



# **DAVID<sup>®</sup> Release Notes**

## **Version 2.5**

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# Chapter 1: DAVID 2.5 Release Notes

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The MIPS processor is available for DAVID 2.5.



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## Note

The support of DAVID for the MIPS processor is the only update since version 2.3 of DAVID. Therefore, the release notes for DAVID 2.3 are also applicable for version 2.5.

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# Chapter 2: DAVID 2.3 Release Notes

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## For More Information

For more information about the latest OS-9 release notes, click the [PowerPC Documentation -> Enhanced OS-9 for PowerPC Release Notes](#) links on the documentation home page.

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- This release of DAVID was built on the same code base as “Embedded OS-9 for PowerPC v1.4.”
- FasTrak has been replaced by Hawk.
- The library and header file for the DAVID Demo Library:

```
$MWOS/OS9000/<processor>/LIB/david_demo.l  
$MWOS/SRC/DEFS/DAVID/david_demo.h
```

Have been modified in the following ways:

The function:

```
void david_demo_uplink_term(path_id *control, path_id *data)
```

was changed to:

```
error_code david_demo_uplink_term(path_id *control,  
    path_id *data)
```

The function:

```
error_code david_demo_err(char *function_name,  
    error_code error)
```



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was modified to correctly print error code values in the #NNN:NNN format.

The function:

```
error_code david_demo_get_pids(path_id data,  
    u_int16 *audio_pid, u_int16 *video_pid,  
    u_int16 *pcr_pid)
```

was added to the library. It is used by applications to determine the correct PIDs for the currently playing MPEG-2 stream. An example of its use can be found in the example program `moplay`.

- In the SPF protocol driver `rt_drvr`, a `_os_ss_readstream()` call for a fixed length SCL list no longer requires a call to `_os_ss_abortstream()` after all of the SCL buffers have been filled.
- The MPFM common code directory name has changed from “COMMON” to “MPCOMMON” for consistency with other Microware file managers.
- The DUXMAN common code directory name has changed from “COMMON” to “DXMCOMMON” for consistency with other Microware file managers.



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## Note

This change is temporary as DVM is being phased out.

- The libraries `os_dxm.l`, `os_dxm.il`, `os_duxman.l`, and `os_duxman.il` have changed to:
    - `os_dxm_dvm.l` and `os_dxm_dvm.il` for use with DVM based DUXMAN drivers.
    - `os_dxm_nfm.l` and `os_dxm_nfm.il` for NULLFM based DUXMAN drivers.
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## Port specific release notes:

### **Hellcat**

- Demo/Example programs that were specific to the Hellcat have moved from \$MWOS/SRC/DAVID/DEMOS to \$MWOS/OS9000/821/PORTS/HELLCAT/UTILS.

### **DI2S**

- The CDB module has been modified by adding the entry “114:/rtnd:HD” for the real-time network device.
- There are now SPARC versions of the demo Agfa and Bitstream UCM fonts in \$MWOS/OS9000/SPARC/ASSETS. Please note that these are examples only and not for re-distribution.





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# Product Discrepancy Report

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To: Microware Customer Support

FAX: 515-224-1352

From: \_\_\_\_\_

Company: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Product Name:

Description of Problem:

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Host Platform \_\_\_\_\_

Target Platform \_\_\_\_\_



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