

**SIMPLWINDOWS
NAME:**

Arrakis DC6-1000 v301 Processor

CATEGORY:

Transport Decks

VERSION:

1.0

SUMMARY:

Processes all information sent to/received from the Arrakis system

GENERAL NOTES:

This module will process all information received from the Arrakis system. It will determine which zone the information is intended for, and will send the appropriate zone information out the corresponding "To_Zone_1-6\$" output. It will route system status messages out the "System_Status\$" output. This will contain information such as dialing/connecting/etc. This information could be displayed on a touch panel if desired. This module will also send the names of all genres on the system out the "Genres\$" output. Also provided is Record_Status\$ and Setup_Status\$. These are for future use.

Typically, the "To_Zone_1-6\$" outputs will be connected to the appropriate "From_Processor\$" input on the "Arrakis DC6-1000 v301 Multi-Zone Single-Port Zone Control" module. Similarly, the Genres\$ output will be connected to the "Genres\$" input on all "Arrakis DC6-1000 v301 Multi-Zone Single-Port Zone Control" modules.

This module also processes all information being sent to the Arrakis system from the individual zone modules. Connect the "To_Processor\$" output of the zone modules to the appropriate "From_Zone_1-6\$" input of this module. This allows the commands being sent to the Arrakis system to sent at an appropriate rate so as not to cause problems for the Arrakis system.

Note that while a page of zone or track information is being accessed by one zone, the other zones will not be allowed to send commands until the page request is complete. This is a limitation of the Arrakis system. This module will keep track of the most recent command being sent by each zone, and it will send that command when the previous command has been completed.

Before using any other functions on the Arrakis system, you must pulse the Initialize input on this module. This will cause auto-updating to be enabled on the Arrakis system. It will also set the page size used during browsing. It will also request the names of all of the Genres, and it will get the current settings for all six zones. Initialize_Busy will be high while this is in progress. It will take approximately 10 seconds.

The "Entries Per Screen (1d - 6d)" parameter is used to specify how many lines you would like to display when browsing discs, groups, or tracks. On smaller touch panels, it may be desirable to display fewer lines. So you can display between 1 and 6 lines at a time.

If you want to turn off the auto-updating feature at some point, you can pulse the Stop_Communications input.

You must have "v3.01 3/21-2" or later firmware installed on the Arrakis system for this module to work correctly.

**CRESTRON
HARDWARE**

ST-COM
CNXCOM

REQUIRED:

SETUP OF CRESTRON HARDWARE: Baud Rate - 9600
Parity - None
Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: v3.01 3/21-2

VENDOR SETUP: None

CABLE NUMBER: CNSP-121

CONTROL:

INITIALIZE	D	Pulse to enable communications with the Arrakis system. Initialize_Busy will be high while in progress. This will take approximately 10 seconds
STOP_COMMUNICATIONS	D	Pulse to disable communications with the Arrakis system
FROM_ZONE_1-6\$	S	Should be routed from each zone module. Up to six zone modules can be used (one for each zone on the Arrakis).
FROM_DEVICE\$	S	Serial signal to be routed from a 2-way RS232 port

FEEDBACK:

INITIALIZE_BUSY	D	High while initialization is in progress
TO_ZONE_1-6\$	S	Contains zone specific feedback. Should be connected to the corresponding "From_Processor\$" input on each individual zone module
SYSTEM_STATUS\$	S	Contains Arrakis system status information
RECORD_STATUS\$	S	Contains recording status information (future)
SETUP_STATUS\$	S	Contains setup status information (future)
GENRES\$	S	Contains the names of all genres. Houls be routed to the Genres\$ input on each zone module
TO_DEVICE\$	S	Serial signal to be routed to a 2-way RS232 port

OPS USED FOR TESTING: 5.12.63x / Pro2 - v1.012

COMPILER USED FOR TESTING: SimplWindows Version 2.01.03

SAMPLE PROGRAM: Arrakis Multi-Zone Single-Port Demo

REVISION HISTORY: None