

Inside the DESAM8000.INI File

7/26/02 Software Version 1.5

Things to Ignore

There are many [Sections] and Keys in the desam8000.ini file. Some, the application generates itself, some the desam maintenance engineer will enter as needed. The defaults from the factory work for most applications. Below we will discuss the [Sections] and Keys that the user can change. The rest we will not discuss because they are generated and maintained by the desam8000 application.

Description of Sections and Keys.

Section	Key	Values	Description
[Panel]	ScreenSaverTimeout	decimal between 0-1023	This key sets the panel screensaver timeout interval in minutes. A setting of 0 disables the screensaver.
	ScreenSaverIgnoreMeter	Y N (default)	This key determines whether or not meter data is considered 'activity', i.e., activity which causes the panel screensaver to 'wake up'. A setting of 'Y' causes the panel to ignore meter data when considering when to sleep. The default is 'N', which means any meter movements will disable the screensaver.
	ScreenSaverIgnoreLockUnlock	Y N (default)	This key determines whether or not the lock/unlock lamp is considered 'activity'. If 'Y', the lock/unlock lamp is ignored and doesn't cause the screensaver to wake up. If 'N', the screensaver wakes up when lock/unlock lamp data is received. The default is 'N'.
[Init]	StartProtocol	DESAM (default) ESAM	This is the protocol that will be used on the RS422 edit control port in the case where the edit controller does not specify a protocol. If the edit controller does specify, that overrides this setting.
	Parity	o (default) e n	This is the parity setting for the RS422 edit control port. e=even o=odd n=none.
[PC]	SerialNumber	A number from 1 to 65535 The default is a random number.	Only used if the PC and Control Panel are on a LAN (networked, instead of the normal direct connection) This serial number is assigned to this instance of the desam application so that a control panel can be linked to it exclusively. Normally, for a direct connection (default), the control panel is set to 0 (meaning connect to any PC running the desam application).

[Meter]	VUMeterScale	0 1 (default)	By setting these meter scale keys to “1”, you enable the display of a button on the Meter menu (on the main LCD menu). If the key does not appear in the INI file, then the button display enable will revert to its default value shown.
	IEEEMeterScale	0 1 (default)	
	FSSMeterScale	0 1 (default)	
	BBCMeterScale	0 (default) 1	
	ABCWestMeterScale	0 (default) 1	
	ABCEastMeterScale	0 (default) 1	
	CBCMeterScale	0 (default) 1	
	AESMeterScale	0 1 (default)	

[Gpi] The GPI section is divided into tasks 1 through 8 indicated below by {n}. 1 – 4 correspond to the 4 GPI pins. 5-8 are repeats of the same 4 pins. This is done so that you may trigger on both edges of the same pin. When the state of a GPI pin changes, a D/ESAM IV serial command is sent to the mixer internally. In this way, the user can do anything to the mixer that he can do from the protocol, including the “Buttons” command (03019e). 96 is the TRANS START button and 97 is the CUT button. By changing the length byte, any series of buttons may be pressed in sequence. Call Graham-Patten Customer service if you need help constructing a special GPI command or refer to the D/ESAM IV Protocol manual on our web site. Task1 - Pin 11, Task2 -Pin 10, Task3 - Pin 12, Task4 - Pin 13.

Task{n}_StartCond	0 1 (default)	This is the GPI logic level that activates the GPI task. 1 means rising edge. 0 means falling edge.
Task{n}_Type	0	Leave this as zero. Currently, that is the only task type.
Task{n}_Cmd	6 digit hexadecimal number	This is the first three bytes of D/ESAM IV serial protocol command. It’s in hexadecimal. The first two digits are the command length. The second two digits are the effects bank (usually 1) and the last two is the command.
Task{n}_Para	0 to 506 digit hexadecimal number	This is the data portion of the of D/ESAM IV serial protocol command. It’s in hexadecimal.

[ButtonMap] A button map converts incoming serial protocol button command numbers to the specified value. Here is the reason for this section. The button maps for Graham Patten mixers vary from one model to another. However, there are several edit systems that assume that the button number for TRANS START is the same for any mixer. This entry allows one to re-map from the button number sent by the editor to the real button number in the desam 8000. For more information on button numbers, contact Customer Service.

{input}={output}	Defaults are: 150=180 151=179	The default entries remap the TRANS START button and the CUT button respectively.
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[CrosspointMap] This section only applies to situations where the edit controller is using the ESAM II protocol. There is a default mapping of crosspoint numbers to Logical Machine ID where A=1, B=2, etc. The default mapping for the R machine, the Tone machine and the Aux machines are sometimes beyond the range of some edit controller's crosspoint numbers. This section allows the default crosspoint mapping to be altered.

LogMach_R	0-255 default is 255 INI default 20	Here are the most useful keys, however, any machine may be remapped by simply using the machines ID after "LogMach_". If these entries do not appear in the INI file, then they revert to their defaults. Note that we ship the units with these 4 entries in the INI file and the numbers we use are not the defaults. We used numbers that work best in most applications.
LogMach_TONE	0-255 default is 223 INI default 101	
LogMach_AUX1	0-255 default is 239 INI default 10	
LogMach_AUX2	0-255 default is 238 INI default 11	

[BusMap] Bus{n} string of bus numbers 1..8 This is an optional section. If it exists, incoming serial edit commands have their bus data parameters expanded to the bus numbers given by the value string. For example, 'Bus1=1,3,5,7' maps any incoming commands with the bus1 bit set to buses 1, 3, 5 and 7. This section is mostly used to give 2-channel and 4-channel edit systems access to all eight D/ESAM 8000 buses .

[MonMode] Default CH1,CH2,CH3,CH4, CH5,CH6,CH7,CH8 You can change what is displayed at the bottom of your meter screen by changing the characters in the Default setting. There is only room for about three characters per meter channel.

[Vmach] VmachFileName <filename> Name of the virtual machine definition file in the desam8000 directory
default is "vmach.txt"