

## RAPTOR\_U235init

This function will install and start the U235 Sound Engine, which is a required module for both Audio generation and Jagpad reading.

### **Expected inputs:**

None

### **Outputs:**

None

## RAPTOR\_U235setmodule

This function will call the U235 Sound Engine to set a module to play.

### Expected inputs:

Ao	Pointer to the module to play
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### Outputs:

None

## **RAPTOR\_U235gomodule\_stereo**

This function will start the specified module playing in stereo mode. Playback is at 16 khz.

### **Expected inputs:**

None

### **Outputs:**

None

## **RAPTOR\_U235gomodule\_mono**

This function will start the specified module playing in mono mode. Playback is at 16 khz.

### **Expected inputs:**

None

### **Outputs:**

None

## RAPTOR\_U235playsample

This function will call the U235 Sound Engine to play the specified sound effect.

### Expected inputs:

Do	Sound effect to play
D1 (Bits 0-15)	Channel to play sound effect on (0-7).  Note: Channels 0-3 are used for module playback.
D1 (Bits 16-31)	Frequency (Hz) to play sample at (\$1f40=8000hz)

### Outputs:

None

An easy way to combine the values in a single line for the D1 register is:

```
move.l #$1f40<<16+4,d1      ; play at 8000Hz on Channel 4.
```

The sound effects are defined in the *\_RAPU235.S* file. Their format is as defined in the *U235 Sound Engine manual*.

## RAPTOR\_U235stopDSP

This function will halt the DSP and silence the channels. Doing so will shut down all U235 Sound Engine functions, including Jagpad reading and the random number generator.

### **Expected inputs:**

None

### **Outputs:**

None

## **RAPTOR\_U235stopmodule**

This function will halt any currently playing module and silence the audio channels used for music.

### **Expected inputs:**

None

### **Outputs:**

None

## RAPTOR\_U235resetmodule

This function will set the module playback pointers to the beginning of the file. By default U235 does not reset this when a module is stopped, so the next module would otherwise play from the pattern position the previous module halted at.

### **Expected inputs:**

None

### **Outputs:**

None



## **RAPTOR\_U235setpad1**

This function will set the U235SE to read PAD 1.

### **Expected inputs:**

None

### **Outputs:**

None

## **RAPTOR\_U235setpad2**

This function will set the U235SE to read PAD 2.

### **Expected inputs:**

None

### **Outputs:**

None

## RAPTOR\_U235setrot1

This function will change the U235 SE rotary settings for the rotary in port 1.

### Expected inputs:

Do	Interval (Scan interval)
D1	Delta (Steps to turn)

### Outputs:

None

## RAPTOR\_U235setrot2

This function will change the U235 SE rotary settings for the rotary in port 2.

### Expected inputs:

Do	Interval (Scan interval)
D1	Delta (Steps to turn)

### Outputs:

None