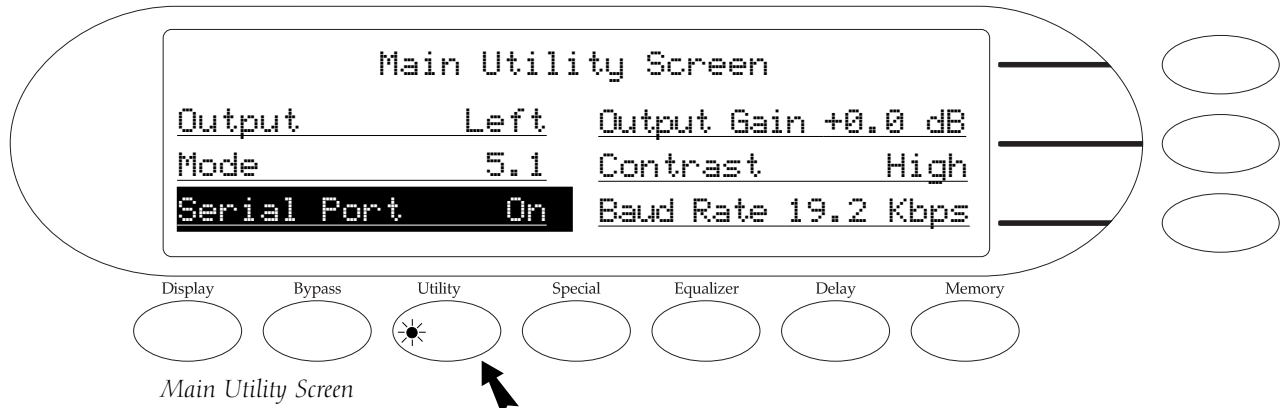


## External Serial Control

Diva is easily integrated with an automation system by a simple set of RS-232 serial commands. This serial control protocol allows the external system complete control over Diva. To enable external control of Diva through the serial port, you must turn ON the Serial Port and set the appropriate Baud Rate for your automation system from Diva's Main Utility Screen.



For the purposes of the descriptions below of the various aspects of the messages that may be sent to Diva, the following conventions apply:

ASCII text messages are shown in quotation marks for the purposes of clarity in this manual. The quotes are not actually used in the commands transmitted to Diva. Only a single command can be issued at a time. Multiple commands in a single command string will result in an error message.

All ASCII values shown are given in decimal unless otherwise indicated.

The `<cr>` symbol means Carriage Return or Enter. Equivalent to ASCII 13 (Hex 0D).

The serial command message format is:

```
COMMAND<cr>
```

Where 'COMMAND' represents the desired command from the list below, and `<cr>` represents a carriage return, ASCII 13 as a command terminator. Diva returns the text string "OK<cr>" upon completion of the command. If there is an error in the command message sent to Diva, it will respond with the ASCII text string "ERROR<cr>".

Status query message: This message is used to Diva to get the status for a specific command mode. Diva responds to the status query with a string matching the serial commands current state.

The message format is:

COMMAND?<cr>

Where 'COMMAND' represents the letter at the beginning of the serial command you are querying the status of, and <cr> represents a carriage return, ASCII 13. As an example: 'M?' represents the request for Diva's currently selected memory scene. Diva will respond with the following string:

M03<cr>

OK<cr>

In the above example, memory scene #3 is currently active. The response from Diva is terminated by a carriage return <cr>. After the successful completion of the status query message, Diva returns the text string "OK<cr>". If there is an error in the command message sent to Diva, then Diva will reply with the text string "ERROR<cr>".

## Serial Control Commands

Command	Description
P00	Power Off (Stand-by)
P01	Power On
M01 - M20	Recall Memory scene #01 through #20
B00	Bypass Off
B01	Bypass All Processing
S00	Subwoofer Soft Mode
S01	Subwoofer Hard Mode
S02	Subwoofer Normal Mode
D00	Turn the display off
D01	Turn the display on
D02	Lock display to Diva logo screen
C00	Display Brightness Dim
C01	Display Brightness Low
C02	Display Brightness Med
C03	Display Brightness High