

SM20

Controller Module

User Manual

Revision 0.1
3rd June 2017

Revision History

Date	Revisions	Version
03-06-2017	First Draft.	0.1

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1. Introduction

SM20 is controller module for the SingMai modules (those that have additional control functions). It extends the features of the modules by allowing control of more of the parameters – e.g. for the SM09A video pattern generator module, using the SM20 allows control of parameters such as the aCVi output amplitude or the subcarrier frequency.

Only one SM20 is required to control all the SingMai modules as the menus are uploaded from the target module, making the SM20 future proof.

The SM20 provides two push button controls, 'MENU' and 'SELECT' and an 'analogue' rotary control. Feedback is provided by an 8 character x 2 line LCD display.

2. Quick Start Guide

Using the jack lead provided with the SM20, plug the SM20 into the module you wish to control. The jack leads provides power to the SM20 as well as the communication (RS232).

Once plugged in the LCD display should light and show the message 'SMxx' where 'xx' is the number of the module being controlled, and the message 'Loading'.

After a short delay the available menus will be displayed. Using the rotary control you may scroll through the menus.

To select a menu item press the 'MENU' button. You may alter the setting either by using the rotary control (if the control is an 'analogue' value such as amplitude) or by pressing the 'SELECT' button which will toggle between two values (e.g. Chroma On and Chroma Off).

Pressing 'MENU' again will return you to the main menu.

You can store the changed values by selecting the 'Store' menu item. The revised values will then be stored by the controlled module. You can also reset the values to their default factory values by selecting the 'Factory' menu item.