

## MC/UB-232AV

### Audio Visual Interface Control Module

The **MC/UB-232AV** input control module is a RS232 to RS485 convertor. It is installed on the Quantran RS485 dimming control plate PBus and enables control of the Quantran SBus or MBus dimming systems from the RS232 output of an audio visual control system, such as AMX or Crestron etc, via a RS232 link. It is not designed to match the dimming control plates or be visible in the client areas. It is constructed in its own protective metal housing designed to be mounted inside the dimming or audio visual control system cabinet, or, surface mounted. The RS232 control cable from the audio visual control system is wired to the module which provides the same control facilities and is installed the same way, up to the maximum allowed, as any other control device on the Quantran Systems RS485 control plate PBus.

Comms Setting:-		<b>UB-232AV</b>	<b>Dimming AV Commands 19 Mar 2009</b>
Baud Rate	9600		
Parity	None		
Data Bits	8		
Stop Bits	1		
Handshake	None		

Code	Command String					Function
	Zone	Scene or Channel				
ASCII	Z	"m"	S	"n"	cr	Selects Scene "n" (n = 0-8) 0 = OFF
HEX	5A	3"m"	53	3"n"	0D	
ASCII	Z	"m"	R	"n"	cr	Raise Channel "n" (n = 1-16)
HEX	5A	3"m"	52	3"n"	0D	
ASCII	Z	"m"	R	cr		Raise ALL Channels
HEX	5A	3"m"	52	0D		
ASCII	Z	"m"	L	"n"	cr	Lower Channel "n" (n = 1-16)
HEX	5A	3"m"	4C	3"n"	0D	
ASCII	Z	"m"	L	cr		Lower ALL Channels
HEX	5A	3"m"	4C	0D		
ASCII	Z	"m"	X			Stop Channel Raise or Lower (Carriage Return is NOT required)
HEX	5A	3"m"	58			
ASCII	Z	"m"	V	cr		Store Current Scene
HEX	5A	3"m"	56	0D		
"Z" & "m" may be omitted, the command then operates in the default zone (set by the zone switch)					Commands operate in Zone "m" (m = 0 - 16) 0 = Master	

NOTE:- "n" & "m" can be 1 or 2 digits. 0 to 9 or 10 to 16.

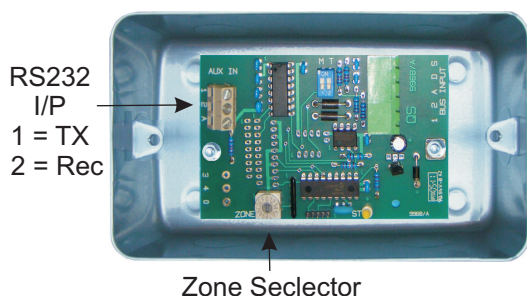
In HEX - If one digit, i.e. 0 to 9  
For 1 send = 31  
For 5 send = 35 etc.

In HEX - If two digits, i.e. 10 to 16 - send each digit separately.  
For 11 send = 31 31  
For 15 send = 31 35 etc.

Zone Selector Settings Mbus:-  
1 to F = Zones 1 to 16  
0 = Zone 16

Zone Selector Settings Sbus:-  
1 to 8 = Zones 1 to 8  
0 = Zone Master  
(Master can be software configured)

Complies with all applicable EC EMC & LV directives and is manufactured in the UK by  
**Quantran Systems Limited.**



THE TOTAL SOLUTION

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