

## Appendix C Remote Extender Jack Technical Description and Protocol

The remote extender jack on the Casablanca III rear panel serves as a direct electrical pathway to the input section of the main microcontroller. Using this jack eliminates the need to attach an IR transmitting device to the front panel IR receiver. This input requires a demodulated signal. \*\*

Remote system: Phillips RC5

System address: 10 hex (00010000 binary) (5 bit system address)

6 bit button code:

<b>Button</b>	<b>Code (hex)</b>	<b>Code (binary)</b>
1	01	00000001
2	02	00000010
3	03	00000011
4	04	00000100
5	05	00000101
6	06	00000110
A/D	07	00000111
MUTE	08	00001000
MODE	09	00001001
TAPE OUT	0A	00001010
SET-UP	0B	00001011
BALANCE	0C	00001100
DISP	0D	00001101
PWR	0E	00001110
UP	0F	00001111
DOWN	10	00010000
REM PWR	11	00010001
STAT	12	00010010
LEFT	13	00010011
RIGHT	14	00010100
PHASE	15	00010101
SEL UP	16	00010110
SEL DOWN	17	00010111
EQ	18	00011000
Discrete OFF	19	00011001
Discrete ON	1A	00011010

Electrical Requirements:

Jack: 3.5mm stereo mini-phone

Tip: 12v current limited dc supply from Casablanca III (for phantom power)

Ring: Signal, 0-5 v peak-to-peak. (Is pulled high in Casablanca III)

Sleeve: Ground

\* \* \*

\*\*There are companies who manufacture units that strip the IR carrier from a signal. One such company is Xantech, who makes the model 794-10. If this unit is used, a series of dipswitches need to be set on it. These settings are as follows:

(from switch 1 to 10)

1 0 1 1 0 0 0 1 0 1

where 1 = ON and 0 = OFF