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AppleColor Hi-Res Monitor Needs Composite TTL Sync

This article last reviewed: 6 May 1988

A user asks whether the Macintosh II High-Resolution Color Monitor requires the external sync (TTL sync) signal that comes off the Macintosh II Video Card on pin 3, or does the monitor derive the sync from the green video -- that is, does the monitor work with just red, green, and blue signals?

The AppleColor High-Resolution RGB Monitor requires the composite TTL sync from pin 3 -- the AppleColor Monitor CANNOT use the composite sync from the analog green channel with composite sync (pin 5).

The necessary connections are shown below:

AppleColor Monitor		Apple Video Card
1 Red video return	---->	1 Ground
2 Red video	---->	2 Analog red channel
3 Composite TTL sync	---->	3 Composite TTL sync
4 Composite sync return	---->	4 Ground
5 Green video	---->	5 Analog green channel with sync
6 Green video return	---->	6 Ground
7 (not used)		7 (not used)
8 (not used)		8 (not used)
9 Blue Video	---->	9 Analog blue channel
10 (not used)		10 (not used)
11 (not used)		11 Ground
12 (not used)		12 Analog green channel with sync (not used)
13 Blue video return	---->	13 Ground
14 (not used)		14 Ground
15 (not used)		15 (not used)

Shell (Shield Ground)

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Keywords: <None>

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19960215 11:05:19.00

Tech Info Library Article Number: 2925