

Digital Input Chart For Hilton Equipment

Over the past decade or two, most callers have migrated from vinyl records to digital music players of some kind. The following table shows the digital input options for a variety of Hilton equipment. All the listed models have some sort of auxiliary input jack to which a digital music source can be connected. The type of connector varies by model. Some older models will need an in-line signal booster to compensate for the lower signal strength delivered by some digital sources. Generally, if it is necessary to turn the volume control past the 10 o'clock position (with 6 o'clock being the "off" position) a signal booster should be used. The "Booster Needed?" column provides guidance on the likelihood a booster will be necessary. More details are provided where a Note is referenced.

Any underlined text in the table is a clickable link that takes you to an image or further information.

Hilton Model	Input Jack Type	Booster Needed?	Signal Input Jack Location	Click To See Image
Micro-75	RCA	Yes - Note 1	Rear RCA Jack "Monitor Music"	Image
Micro-75A	RCA	Yes - Note 1	Rear RCA Jack "Monitor Music"	Image
Micro-75 B,C	RCA	Maybe – Note 1&2	Rear RCA Jack "Monitor Music"	Image
Micro-100	1/8"	No	Front 1/8" Jack "Music In"	Image
AC-201	RCA	Maybe – Note 2	Front RCA Jack "Music In"	Image
AC-205	1/8"	Maybe – Note 2	Front 1/8" Jack "Music In"	Image
AC-200	1/4"	Yes	Top Deck 1/4" Jack "Tape Playback"	Image
AC-300 A, B, C	1/4"	Maybe – Note 2	Top Deck 1/4" Jack "Tape Playback"	Image
AC-500 (SN 1-251)	RCA	No	Left Front RCA Jacks "Input A* or *B**"	
AC-500 (SN > 251)	1/8"	No	Front 1/8" Jack "Music In"	
MA-150	1/8"	No	Front 1/8" Jacks "Aux 1" and "Aux 2"	Image
MA-220	1/8"	No	Front 1/8" Jacks "Aux 1" and "Aux 2"	Image
MA-500	1/8"	No	Front 1/8" Jacks "Aux 1" and "Aux 2"	

In-line Signal Boosters

Low output signals from cassette players, CD, MiniDisc, Laptop Computers, and other sources can be boosted to better match your Hilton sound system. For laptop computers sometimes using a USB sound card can provide the needed boost. But for other music sources on older Hilton machines an inline signal booster is required. These small in-line boosters require no power and will increase the signal strength up to 3 or 4 times. Two models are available: one is monaural, the other a stereo version for playing back a two track recording from a stereo signal source. The stereo version is available with either mini 3.5mm stereo plug or two phono type (RCA) plugs. Please specify the type of output jacks on your sound source when ordering the stereo booster. Inline boosters may be ordered from Hilton Repair (hiltonrepair@comcast.net).



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Note 1:

The name of the RCA jack on the 75 family sets is "Monitor Music" not Music. It is directly across the tonearm so it can be used both as an input and output. If you are going to play a record you must unplug the connection, or install a switch. The 75-A's and B's also had front RCA jacks, the results of using these was not as good a sound as using the rear Monitor Music jack.

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Note 2:

Series II volume control

The AC-200, AC-300 Series II, AC-300A Series II, AC-300B, AC-300C, AC-201, AC-205, AC-500, M-75B, M-75C, have tone compensating phono volume controls. If you need to turn the volume past 10 o'clock the amount of bass boost will be decreased. That is the main reason for needing a signal booster, although turning the normal / increase / tandem switch on the 300 family to increase may take care of the problem. Knowing the model may not be enough to determine ahead of time if a booster will be needed. Many models underwent changes as new machines were manufactured, and later serial numbers had different features. If you provide a serial number to Hilton Repair (hiltonrepair@comcast.net) they may be able to tell you the requirements for that specific machine.

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RCA Phono Plug

RCA Phono Plugs



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1/4-Inch Phone Plugs

1/4" Phone Plugs



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1/8-Inch (3.5mm) Phone Plug

1/8" (3.5mm) Phone Plug



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Micro 75



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Micro 75A



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Micro 100



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AC 201



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AC 205



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AC 200



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Digital Input Chart For Hilton Equipment

AC 300



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AC 500 (SN 1-251)

(no image available)

AC 500 (SN >251)

(no image available)

MA 150



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MA 220



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