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Subject: MEC with 75 ohm termination

Posted by [Wayne Carson](#) on Wed, 27 Jun 2007 03:04:55 GMT

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Hi group,

Per this groups opinions and experience, I couldn't decide on a clock or a DAC so I ordered them both. It stings \$\$\$\$ but I should be a happy camper come the weekend.

The Big Ben with a 3' quality cable is on the way and I don't know whether the MEC is un-terminated or terminated. I have the MEC booklet but it doesn't state it. For the time being the I just need one word clock out of the Big Ben to the MEC. If un-terminated, then the Big Ben user's manual says I need to connect a BNC "T" with a 75 ohm termination. If the MEC is correctly terminated, then I can just connect the clock in and fire it up. For now the MEC is the last and only interface in the clock chain and per the BB manual it states that the last item needs to be terminated.

What do you guys and gals know about this? Do I need the "T" and 75 ohm terminator or is the MEC correctly terminated?

Thanks,  
Wayne  
Paris since '97

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Subject: Re: MEC with 75 ohm termination

Posted by [Deej \[4\]](#) on Wed, 27 Jun 2007 03:40:50 GMT

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I used a terminator cap on my MEC outputs and they were happier for it. I don't know about the

BB. You do not want to "chain" your devices if you can help it. Run a separate BNC cable to each device you want to clock. Make the cables of equal length if possible.

Deej

"Wayne Carson" <carson\_wayne@msn.com> wrote in message  
news:4681d562@linux...

> Hi group,

>

> Per this groups opinions and experience, I couldn't decide on a clock or a  
> DAC so I ordered them both. It stings \$\$\$\$ but I should be a happy camper  
> come the weekend.

>

> The Big Ben with a 3' quality cable is on the way and I don't know whether  
> the MEC is un-terminated or terminated. I have the MEC booklet but it

> doesn't state it. For the time being the I just need one word clock out  
> of the Big Ben to the MEC. If un-terminated, then the Big Ben user's  
> manual says I need to connect a BNC "T" with a 75 ohm termination. If the  
> MEC is correctly terminated, then I can just connect the clock in and fire  
> it up. For now the MEC is the last and only interface in the clock chain  
> and per the BB manual it states that the last item needs to be terminated.  
>  
> What do you guys and gals know about this? Do I need the "T" and 75 ohm  
> terminator or is the MEC correctly terminated?  
>  
> Thanks,  
> Wayne  
> Paris since '97  
>  
>  
>

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Subject: Re: MEC with 75 ohm termination  
Posted by [Wayne Carson](#) on Wed, 27 Jun 2007 04:03:00 GMT  
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Thanks DJ. I agree not to chain and I don't need to at the moment.  
Anyone else wanna chime?  
Wayne

"DJ" <[www.aarrrrggghhh!!!.com](http://www.aarrrrggghhh!!!.com)> wrote in message [news:4681ddc5@linux...](mailto:news:4681ddc5@linux...)  
>I used a terminator cap on my MEC outputs and they were happier for it. I  
>don't know about the  
> BB. You do not want to "chain" your devices if you can help it. Run a  
> separate BNC cable to each device you want to clock. Make the cables of  
> equal length if possible.  
> Deej  
>

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Subject: Re: MEC with 75 ohm termination  
Posted by [JeffH](#) on Wed, 27 Jun 2007 05:26:00 GMT  
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Wayne Carson wrote:  
> Thanks DJ. I agree not to chain and I don't need to at the moment.  
> Anyone else wanna chime?  
> Wayne  
>  
I'm completely terminated on all ends.

Jeff

>  
> "DJ" <www.aarrrrggghh!!!.com> wrote in message news:4681ddc5@linux...  
>  
>>I used a terminator cap on my MEC outputs and they were happier for it. I  
>>don't know about the  
>>BB. You do not want to "chain" your devices if you can help it. Run a  
>>separate BNC cable to each device you want to clock. Make the cables of  
>>equal length if possible.  
>>Deej  
>>  
>  
>  
>

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Subject: Re: MEC with 75 ohm termination  
Posted by [Neil](#) on Wed, 27 Jun 2007 06:05:23 GMT  
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"Wayne Carson" arson\_wayne@msn.com> wrote:  
>Thanks DJ. I agree not to chain and I don't need to at the moment.  
>Anyone else wanna chime?

Yes, make sure you use true 75-ohm BNC cables, there are also 50-ohm cables out there with BNC connectors out there, and those will f\*ck up your world from a clocking standpoint.

Cables coded RG-58 are 50-ohm, and RG-59's are 75-ohm.

Neil

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Subject: Re: MEC with 75 ohm termination  
Posted by [Wayne Carson](#) on Wed, 27 Jun 2007 15:51:46 GMT  
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Thanks guys,

Are you terminated with a BNC "T" on the input of the MEC? see attached, or is your termination on the MEC clock out because it is electrically the same point?

Wayne

## File Attachments

1) [BNC T termination z.JPG](#), downloaded 104 times



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Subject: Re: MEC with 75 ohm termination  
Posted by [EK Sound](#) on Wed, 27 Jun 2007 16:05:00 GMT  
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Terminate the output of the MEC... just to be sure.

David.

Wayne Carson wrote:

> Thanks guys,  
>

> Are you terminated with a BNC "T" on the input of the MEC? see attached, or  
> is your termination on the MEC clock out because it is electrically the same  
> point?  
> Wayne  
>  
>  
>  
>

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Subject: Re: MEC with 75 ohm termination  
Posted by [Wayne Carson](#) on Wed, 27 Jun 2007 17:19:13 GMT  
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David,

Do you mean terminate both the input with a "T" and the output?  
Wayne

"EK Sound" <askme@nospam.com> wrote in message news:46828c00\$1@linux...

> Terminate the output of the MEC... just to be sure.

>

> David.

>

> Wayne Carson wrote:

>> Thanks guys,

>>

>> Are you terminated with a BNC "T" on the input of the MEC? see attached,

>> or

>> is your termination on the MEC clock out because it is electrically the

>> same point?

>> Wayne

>>

>>

>>

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Subject: Re: MEC 75 term ohm test  
Posted by [Wayne Carson](#) on Wed, 27 Jun 2007 17:31:30 GMT  
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Hi group,

I picked up a 75 ohm termination from Kiesub electronics and I put a meter to it. It only reads 1 ohm. I thought it was a resistor load termination

but is it possible that it is a inductive or capacitive load and therefore can not be accurately testing with an ohm meter?

Wayne

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Subject: Re: MEC with 75 ohm termination  
Posted by [Deej \[4\]](#) on Wed, 27 Jun 2007 17:31:49 GMT  
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Just run a straight feed from the BB to the MEC input. You don't need a "T" for the MEC input. Use a 75ohm terminator cap on the MEC out.

Deej

"Wayne Carson" <carson\_wayne@msn.com> wrote in message news:46829d99@linux...  
> David,  
>  
> Do you mean terminate both the input with a "T" and the output?  
> Wayne  
>  
>  
>  
> "EK Sound" <askme@nospam.com> wrote in message news:46828c00\$1@linux...  
>> Terminate the output of the MEC... just to be sure.  
>>  
>> David.  
>>  
>> Wayne Carson wrote:  
>>> Thanks guys,  
>>>  
>>> Are you terminated with a BNC "T" on the input of the MEC? see attached,  
>>> or  
>>> is your termination on the MEC clock out because it is electrically the  
>>> same point?  
>>> Wayne  
>>>  
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>>>  
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Subject: Re: MEC with 75 ohm termination  
Posted by [EK Sound](#) on Wed, 27 Jun 2007 17:32:13 GMT

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No, just the output. I have never been a fan of using T's in word clock or video cabling.

David.

Wayne Carson wrote:

> David,  
>  
> Do you mean terminate both the input with a "T" and the output?  
> Wayne  
>  
>  
>  
> "EK Sound" <askme@nospam.com> wrote in message news:46828c00\$1@linux...  
>  
>> Terminate the output of the MEC... just to be sure.  
>>  
>> David.  
>>  
>> Wayne Carson wrote:  
>>  
>>> Thanks guys,  
>>>  
>>> Are you terminated with a BNC "T" on the input of the MEC? see attached,  
>>> or  
>>> is your termination on the MEC clock out because it is electrically the  
>>> same point?  
>>> Wayne  
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>

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Subject: Re: MEC with 75 ohm termination

Posted by [Wayne Carson](#) on Wed, 27 Jun 2007 17:32:34 GMT

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OK . . . cool. You guys are great.  
Wayne

"EK Sound" <askme@nospam.com> wrote in message news:4682a071\$1@linux...

> No, just the output. I have never been a fan of using T's in word clock  
> or video cabling.  
>

> David.  
>  
> Wayne Carson wrote:  
>> David,  
>>  
>> Do you mean terminate both the input with a "T" and the output?  
>> Wayne  
>>  
>>  
>>  
>> "EK Sound" <askme@nospam.com> wrote in message news:46828c00\$1@linux...  
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>>> David.  
>>>  
>>> Wayne Carson wrote:  
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>>>> Thanks guys,  
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>>>> Are you terminated with a BNC "T" on the input of the MEC? see attached,  
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>>>> is your termination on the MEC clock out because it is electrically the  
>>>> same point?  
>>>> Wayne  
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Subject: Re: MEC with 75 ohm termination  
Posted by [Deej \[4\]](#) on Wed, 27 Jun 2007 17:37:15 GMT  
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Sorry.....Dave will only be "great" when he gives me his DM 2000.  
Until then, he is "very very good"....."pending greatness".....he knows  
how to move on to the next level. It's up to him now.

;o)

"Wayne Carson" <carson\_wayne@msn.com> wrote in message  
news:4682a0ba@linux...  
> OK . . . cool. You guys are great.  
> Wayne  
>  
> "EK Sound" <askme@nospam.com> wrote in message news:4682a071\$1@linux...  
>> No, just the output. I have never been a fan of using T's in word clock



>> or video cabling.  
>>  
>> David.  
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>> Wayne Carson wrote:  
>>> David,  
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>>> Do you mean terminate both the input with a "T" and the output?  
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>>>>> same point?  
>>>>> Wayne  
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>

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