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# CompactLogix 5370: Ethernet Message Communication Path Setting

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## Summary

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## Content

### Question

- What is the correct communication path for an Ethernet message instruction in the CompactLogix 5370 controllers?
- What would the MSG path be from a 5370 controller to a MicroLogix 1400 controller?
- Why am I getting a 16#0008 Unsupported service requested error code on my Ethernet MSG instruction?
- Why am I getting a 16#0001 Extended error code 16#0000\_0311 error path : W, vvv.xxx.yyy.zzz ?
- Why don't any of my Ethernet MSG instructions work after converting a 1769-L23E, 1769-L32E or 1769-L35E CompactLogix application to a CompactLogix 5370 controller?
- How do I write a MSG path originating in 1769-L1y controller?

### Environment

- 1769-L1y controllers: 1769-L16ER-BB1B, 1769-L18ER-BB1B, 1769-L18ERM-BB1B, 1769-L19ER-BB1B
- 1769-L2y controllers: 1769-L24ER-QB1B, 1769-L24ER-QBFC1B, 1769-L27ERM-QBFC1B
- 1769-L3y controllers: 1769-L30ER, 1769-L30ER-NSE, 1769-L30ERM, 1769-L30ERMS, 1769-L33ER, 1769-L33ERM, 1769-L33ERMS, 1769-L36ERM, 1769-L36ERMS, 1769-L37ERM, 1769-L37ERMS, 1769-L38ERM, 1769-L38ERMS

### Answer

When setting the message path with a CompactLogix 5370 Controller all that needs to be specified is a 2 at the start followed by the remaining targets path.

The message path for one CompactLogix 5370 to another CompactLogix 5370 will simply be 2, IP of the targeted Controller. An example of a valid MSG path between two CompactLogix 5370 Controllers would be 2, 192.168.1.1 where 192.168.1.1 is the target of the end CompactLogix 5370 Controller.

An example of a valid MSG path to a MicroLogix 1400 (with an IP address of 192.168.1.1), directly connected, would simply be 2, 192.168.1.1.

There is no need to add the " ,1,0" at the end of the path to specify the controller as with the 1768-L4x, 1768-L4xS, 1769-L3xE and 1769-L2xE controllers.

If a "1,0" is entered the result will be a 16#0008 Service Request Error: Unsupported Service error code.

A 16#0001 Extended error code 16#0000\_0311 error will result from an incorrect path.

The 5370 MSG path was simplified compared to the 1768-L4x, 1769-L3xE, and 1769-L2xE CompactLogix controllers.

- To specify the Ethernet port on the 1769-L3xE or 1769-L2xE CompactLogix controllers a 1,1,2 needs to be entered in the beginning portion of the MSG path (this would then be displayed as a LocalENB,2 ). An example of a valid MSG path to a MicroLogix 1400 (with an IP address of 192.168.1.1) directly connected, would simply be LocalENB,2,192.168.1.1
- The 1768-L4x does NOT have an embedded Ethernet port and instead uses a separate Ethernet module, the 1768-ENBT, which likely won't be called LocalENB. There could be up to two 1768-ENBT in the chassis (in slots 1 and 2). So, an example of a valid MSG path to a MicroLogix 1400 (with an IP address of 192.168.1.1) directly connected and a 1768-ENBT in slot 2, would be: 1, 2, 2, 192.168.1.1 .  
If you browsed to the 1768-ENBT module in use, instead of typing the path in manually, then this would be displayed as [Name of 1768-ENBT in IO tree], 2, 192.168.1.1
- For more information on how to set the MSG path on older CompactLogix processors please refer to [QA1290 - Ethernet Message Path Between Older CompactLogix Controllers](#)

Note: If a project is converted from older CompactLogix controllers to the CompactLogix 5370 Controllers all Ethernet MSG paths will need to be modified to reflect this change. Otherwise all MSG instructions will error out.

See also:

[BF5708 - Message CIP Paths for ControlLogix 1756 PLCs: Brief summary](#)

[QA29502 - CompactLogix 5380 Dual-IP mode message path](#)

Attachments

Recently Viewed

PanelView in RSLogix5000 project has error code 16#0005	1769-SM2: Explicit Message Error 16#0005	Class or Instance not supported Error Code: 16#0005 when sending PLC5 Typed Write MSG from a Logi...
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