

Time Synchronisation with **IBH Link S7++/IBH Link S7++ HS**

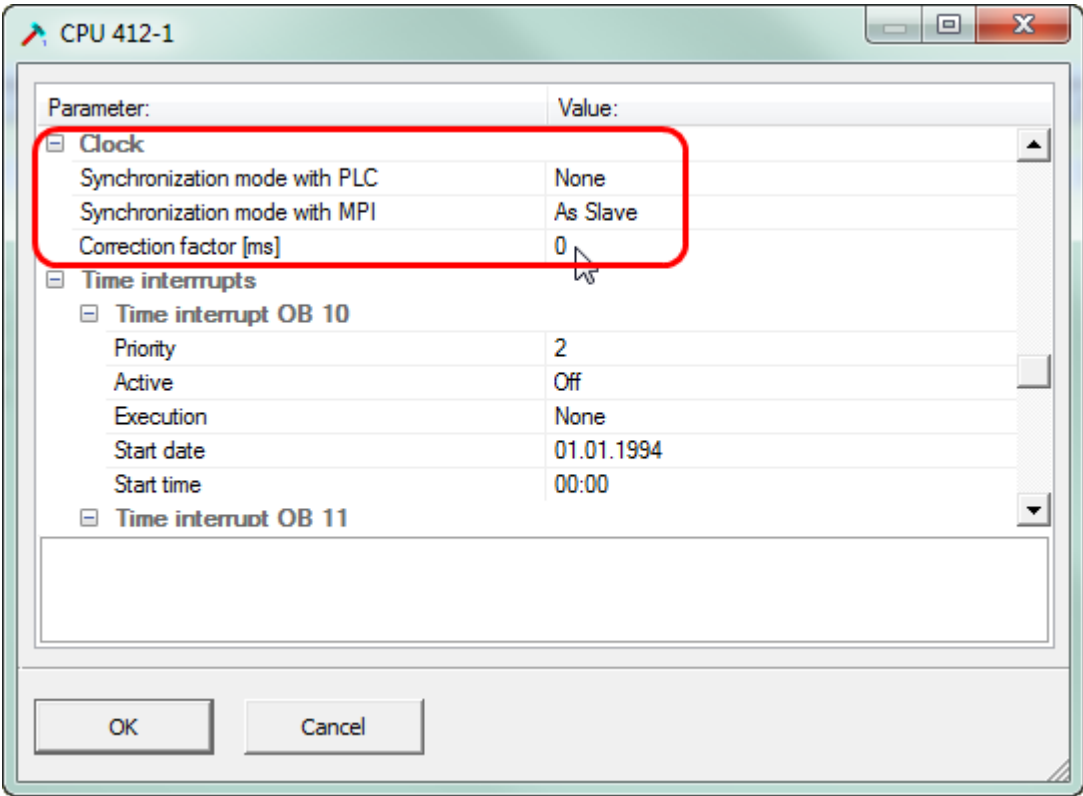
The selected NTP(Network Time Protocol) Server must be reachable.

The screenshot shows the 'IBHLink settings' window for device '00021651' with MAC '00-02-A2-20-9F-F0'. The 'Time synchronisation' tab is active. It contains a 'Time-of-Day Synchronization' section with a checked 'Activate Time-of-Day Synchronization' option. Below is the 'NTP Options' section, which includes an 'NTP update interval' of 10 seconds, four NTP server IP address fields (the first is 192.168.10.70 and highlighted with a red box, the others are 0.0.0.0), and an 'MPI/DP update interval' dropdown set to '10 seconds'. At the bottom are 'Save permanently' and 'Cancel' buttons.

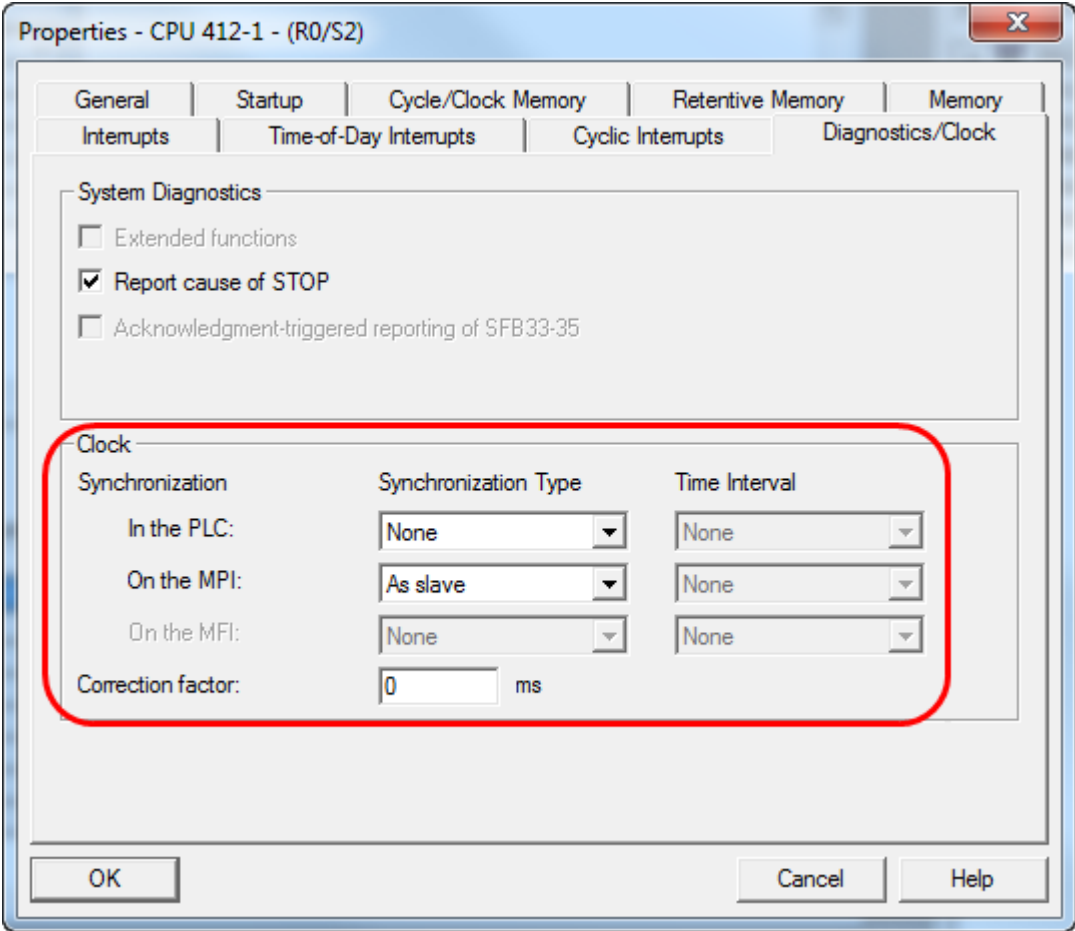
Field	Value
Time-of-Day Synchronization	<input checked="" type="checkbox"/> Activate Time-of-Day Synchronization
NTP update interval (10 - 86400 seconds):	10
NTP Server 1 (IP address):	192.168.10.70
NTP-Server 2 (IP-Adresse):	0.0.0.0
NTP Server 3 (IP address):	0.0.0.0
NTP Server 4 (IP address):	0.0.0.0
MPI/DP update interval:	10 seconds

Make sure, that the MPI®/PROFIBUS parameter of the PLC and the **IBH LinkS7++/IBHLinks7++ HS** fits together.

Within the Hardware Configuration in **S7 for Windows®** you have to set up the synchronisation as follows:



Within the Hardware Configuration in **STEP®7** you have to set up the synchronisation as follows:



Sample CPU 315-2 PN/DP:

(0) UR

1	
2	CPU 315-2 PN/DP
X1	MPI/DP
X2	PN-IO
X2 P1 R	Port 1
X2 P2 R	Port 2
3	

(0) UR

Slot	Module	Order number
1		
2	CPU 315-2 PN/DP	6ES7 315-2EH
X1	MPI/DP	
X2	PN-IO	
X2 P1	Port 1	
X2 P2	Port 2	
3		
4		
5		
6		

Properties - MPI/DP - (R0/S2.1)

General | Addresses | Operating Mode | Configuration | Clock

Synchronization mode

Time interval

As slave

OK

Cancel

Help