How to configure 7697HS and 7890B GC communications

Purpose:
The 7697 Headspace Sampler can be configured to communicate with the connected 7890B GC.

With the communications configured, 7697 Headspace knows 7890B GC’s column configuration, oven program, **synchronizes with the GC clock**, and follows the GC instrument schedule, such as wakeup and sleep.

Caution:
This feature requires a HS with firmware A.01.06 (or greater) and a compatible Agilent GC (for example, a 7890B GC with firmware B.02.02 or greater).

Procedure to configure GC-HS communications:

1. At the headspace sampler keyboard,
   Press [Config] and go to “Follow 7890B”, then press [On/Yes].
   Press [Options], then go to Communications > GC.
   Enter the GC's IP address, then press [Enter].
2. At the GC keyboard,
   Press [Front Injector] if the headspace sampler is connected to the GC front inlet, or press [Back Injector] if it is connected to the GC back inlet.
   Scroll to No Headspace, then press [Mode/Type]. A list of headspace sampler models appears.
   Scroll to the correct one, then press [Enter].
   Press [Options], then select Communications.
   Scroll to the IP address entry for the headspace sampler, either Fr. Headspace or Bk. Headspace.
   Enter the headspace sampler's IP address.
   Press [Front Injector] or [Back Injector] as applicable. A new Communication line appears and shows “Communications Disabled”.
   Scroll to it and press [On/Yes]. The line changes to read “connected time “.
   Scroll down to display a read-only summary of the headspace sampler configuration which the GC obtained from the sampler.
3. If the communications fail, check the IP addresses.
   Verify that the GC's IP address is correct in the headspace sampler, and that the headspace sampler's IP address is correct in the GC.
   Also check that both instruments are turned on and connected to the LAN. Verify all LAN cable connections.

Procedure to temporarily disable communications:
Quick reference
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1. At the GC keyboard, press [Front Injector] or [Back Injector] as applicable.

2. Scroll to Connected time and press [Off/No].

Note: This setting disables communications but leaves the configuration information intact.