

General Settings

State - List Mode

Activates/deactivates the List mode. The currently selected list is processed.

In case of a new or modified list, the necessary hardware settings are automatically determined on activation of the list mode. The data determined in this way is stored along with the list and is available whenever the list is used again.

This means that when activating the list mode, the system checks whether any hardware settings are present. If so, the list is started immediately, but if not they are automatically determined (the list is learnt).

A "Learn List Mode Data" button is available for deliberately activating list learning.

Note: Activating the list mode automatically deactivates all sweeps. During list mode the frequency and level indications do not display the currently set values.

Remote command:

[:SOURce<hw>] :FREQuency:MODE on page 349

Mode - List Mode

Selects the cycle mode of the List mode.

- | | |
|----------|---|
| "Auto" | Cycle from the beginning to the end of the list with automatic restart at the beginning. If a different mode was activated prior to the Auto mode, the cycle continues from the beginning of the list. The duration of a list step is determined by the set dwell time. Button "Reset" restarts the list at the starting point. |
| "Single" | Single cycle from the beginning to the end of the list. If "Single" is selected, the cycle is not started immediately. The "Execute Single" button appears under the "Mode" line. The cycle is started with this button. The duration of a list step is determined by the set dwell time. Button "Reset" restarts the list at the starting point. |



"Step" Manual, step-by-step processing of the list. Activating "Step" stops the current list and the cursor moves to the value displayed for "Current Index". It is now possible to scroll up and down in the list in discrete steps by varying the index. The duration of a list step is determined by the time between two index entries. Button "Reset" restarts the list at the starting point.



"Extern Single" Single cycle from the beginning to the end of the list as with "Single", but started by an external trigger. The external trigger signal is input at the BNC connector [INST TRIG]. Button "Reset" restarts the list at the starting point.

"Extern Step" Step-by-step cycle using the external trigger signal. Each trigger event starts a single step. The duration of a list step is determined by the time between two trigger events. The external trigger signal is input at the BNC connector [INST TRIG]. Button "Reset" restarts the list at the starting point.

Remote command:

[\[:SOURce<hw>\]:LIST:MODE](#) on page 374

[\[:SOURce<hw>\]:LIST:TRIGger:SOURce](#) on page 376

Execute Single - List Mode

Triggers the list manually. This button is available only if mode "Single" is selected.

Remote command:

[\[:SOURce<hw>\]:LIST:TRIGger:EXECute](#) on page 375

Reset - List Mode

Resets the list to the starting point.

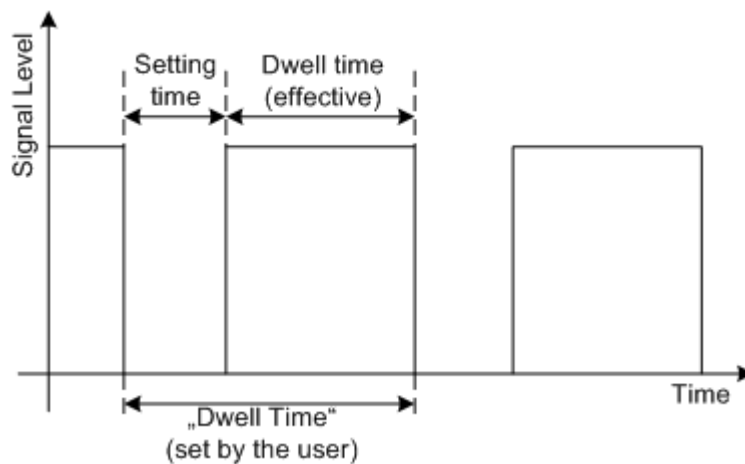
Remote command:

[\[:SOURce<hw>\]:LIST:RESet](#) on page 375

Dwell Time - List Mode

Enters the dwell time. The dwell time determines the duration of a list step in list operating modes "Auto", "Single" and "Extern Single". In these modes a complete list is processed either once or continuously.

In list operating modes "Step" and "Extern Step", the set dwell time does not affect signal generation. In this case, the duration of a list step is determined by the time between two (internal or external) trigger events.



The "Dwell Time" set by the user is used as the step time of the list mode. The effective net dwell time is shorter, reduced by the setting time. This setting time may be greater than the time specified in the data sheet.

Remote command:

[\[:SOURce<hw>\]:LIST:DWELL](#) on page 370

Current Index - List Mode

Sets the list index in "Step" mode.

Remote command:

[\[:SOURce<hw>\]:LIST:INDEX](#) on page 372

Learn List Mode Data... - List Mode

Starts the determination of the hardware setting for the selected list. The data determined in this way is stored along with the list.

It may be necessary to deliberately activate list learning in the event of greatly altered environmental conditions that require new hardware settings.

If this is not done, a previously learned hardware setting will continue to be used when list mode is switched on ("State = On"). If no setting is available, e.g. when the list is used for the first time, learning is automatically activated.

Remote command:

[\[:SOURce<hw>\]:LIST:LEARn](#) on page 373

List Mode Data... - List Mode

Calls the "File Select" menu for selecting and creating a list or the "File Manager".



Remote command:

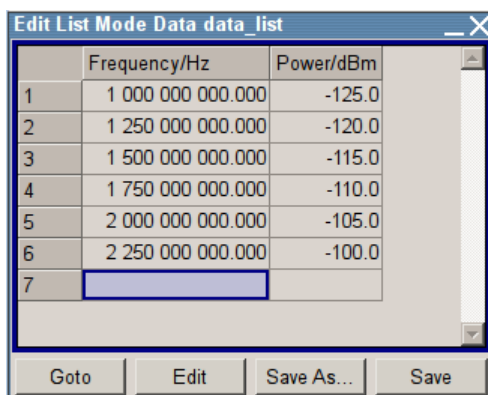
[\[:SOURce<hw>\]:LIST:SElect](#) on page 375

[\[:SOURce<hw>\]:LIST:DELeTe](#) on page 366

[\[:SOURce<hw>\]:LIST:DELeTe:ALL](#) on page 366

Edit List Mode Data... - List Mode

Calls the editor for editing the selected list. A list consists of any number of frequency/level value pairs. The currently selected list is displayed.



"Frequency /Hz" Enter the frequency of the frequency/power value pair.
Z"

Remote command:

[:SOURce<hw>] :LIST:FREQuency on page 371

"Power /dBm" Enter the level of the frequency/power value pair.

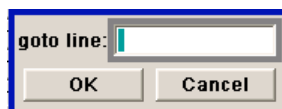
Remote command:

[:SOURce<hw>] :LIST:POWer on page 374

"Goto" Selects row for editing.



If "Goto row" is selected, a window opens for entering the requested row.



"Edit" Calls a selection of possible actions described below.



"Insert Row" Inserts a new row before the marked row.

"Insert Range" Inserts new rows before the marked row. The number of rows to be inserted can be defined in an entry window.

