

SDS100 - SDS200 Filter Settings

The following filter settings and instructions are not included in the SDSx00 owner's manuals... the filters were added to the scanners with firmware updates after the manuals were printed. This sheet shows what filters are available, and how to apply them using the scanner's menu system.

Filters can also be applied using Sentinel and then writing them to the scanner... use the profile editor for GLOBAL settings, and use the favorites list editor for INDIVIDUAL settings.

There is no "right" or "best" filter setting that anyone can recommend for your application.... The effectiveness of these filters is completely dependent on your unique environment, i.e., noise floor levels at your location, your antenna setup, local adjacent channel interference, etc. Experimentation at your location is the only possible way you can determine the best setting that will improve your reception. Someone else's "best" setting may actually degrade your reception. Filters can be set globally, or on an individual basis.

Filters can be applied from the scanner's menu system using the following menu selections:

Filter Setting for Global Use

MENU --> SETTINGS --> GLOBAL AUTO FILTER

- Normal (always use a High Pass Filter)
- Invert (always use an inverted High Pass Filter)
- Auto (try an HPF then if there's no signal detected, try an inverted HPF) **IMPORTANT NOTE: ---->** If Auto is selected, conventional search and scan speed will be very slow, because every frequency on which a signal is not detected on the first pass will be rescanned using an inverted HPF setting.
- Wide Normal
- Wide Invert
- Wide Auto
- Off

If any of the following individual items are set to other than "Global", the selected setting will override the the Global setting from the above menu for only that item.

Filter Setting menu for trunked systems

MENU --> MANAGE FAVORITES --> [select favorites list] --> REVIEW/EDIT SYSTEM --> [select system] --> EDIT SITE --> [select site] --> SET FILTER

- Global (use the same setting as the GLOBAL AUTO FILTER)
- Normal
- Invert
- Auto
- Wide Normal
- Wide Invert
- Wide Auto
- Off

Filter Setting menu for conventional systems

MENU --> MANAGE FAVORITES --> [select favorites list] --> REVIEW/EDIT SYSTEM --> [select system] --> EDIT DEPARTMENT --> [select department] --> SET FILTER

- Global (use the same setting as the GLOBAL AUTO FILTER)
- Normal
- Invert
- Auto
- Wide Normal
- Wide Invert
- Wide Auto
- Off

Filter Setting menu for Close Call and Search

MENU --> SRCH/CLOCALL OPT --> SET FILTER

- Global (use the same setting as the GLOBAL AUTO FILTER)
- Normal
- Invert
- Auto
- Wide Normal
- Wide Invert
- Wide Auto
- Off

When changing filter settings through the scanner's menu... If you find filter settings that you want to keep, be sure to read **from** the scanner **to** Sentinel to transfer those settings into Sentinel so that the next time you write to the scanner for database updates etc., your new filter settings in the scanner won't be overwritten with the old settings that were in Sentinel.