



Before you start

- SmartSDR is connected to the Flex radio.
- Flex DAX and SmartSDR CAT are running.
- CW Skimmer is installed and configured for the matching DAX IQ channel.
- N1MM Logger+ is open only if you want call fill.

Quick startup

- Click Find Flex.
- Confirm Target Slice and DAX IQ Channel.
- Check Launch CW Skimmer if wanted.
- Check N1MM Call Fill only when using N1MM+.
- Click Start Bridge.

Numbered controls

#	Control	Use
1	Find Flex	Finds your Flex radio.
2	Target Slice	Usually Slice A.
4	DAX IQ Channel	Must match CW Skimmer audio input.
5	Skimmer Telnet Port	Must match CW Skimmer Telnet.
6	CW Pitch Hz	Typical value is 700.
7	Launch CW Skimmer	Starts Skimmer from the bridge.
9	N1MM Call Fill	Fills N1MM+ call field from matching Skimmer spots.
10	Start Bridge	Starts bridge control.
12	N1MM	Opens call fill settings.

N1MM+ call fill

- Check N1MM Call Fill to let the bridge fill the N1MM+ call field from a matching CW Skimmer decoded call.
- The bridge sends the callsign text only. It does not press Enter, does not trigger ESM, and does not log the QSO.
- Use the N1MM button to adjust the call fill settings.

Default N1MM settings

Setting	Default
Spot age limit	120 seconds
Frequency match window	150 Hz
Duplicate guard	2.0 seconds
Maximum spot age setting	600 seconds / 10 minutes

Use longer spot age settings when stations hold one frequency for a long time.

DX spot use

- Use Show DX to display spots decoded by CW Skimmer.
- Single-click a DX spot to select it; double-click to tune it.
- Tune Selected tunes the highlighted spot. Clear empties the visible spot list.
- DX spot times and ADI export times are UTC.

Fast checks

Symptom	Check
No radio found	SmartSDR running; radio on same local network; use Find Flex or enter local Flex IP.
No DX spots	CW Skimmer decoding; Telnet port matches bridge.
Trace tuning wrong	Target Slice and DAX IQ Channel match the slice/panadapter used by CW Skimmer.
N1MM call not filled	N1MM Call Fill checked; N1MM+ open; clicked signal matches a recent decoded call within age/window settings.