

## SAFETY!



DO NOT ALLOW AC VOLTAGE TO ENTER "F" CONNECTOR RF OUTPUT PORT.

USE an AC BLOCKING DEVICE



DAMAGE FROM VOLTAGE IS NOT COVERED BY WARRANTY

This Device uses a Lithium Battery

Use Common Industry Practices when Storing or Disposing

Liquids - Do Not Submerge or Expose the Device to Liquid

USB C charging port input is +5 VDC

## SPECS

Output	
F Connector	75ohm *DO NOT ALLOW AC VOLTAGE TO ENTER "F" PORT
Frequency range	250-1800MHz
Step bandwidth	1MHz to 12MHz
Power Level	Typ.+40 dBmV
Input	
USB Type C	+5 VDC For Charging and USB-C updates
Battery	
Typical battery life	Approx. 9hrs continuous
Type	Rechargeable Lithium-ion
General	
Display	High-brightness color LCD - 2.4"
Dimensions	8 7/16" X 4" X 2" w/ F port
Environmental For Operating	Temperature: -20°F - 131°F    -28°C - 55°C Humidity: 10%-85% non-condensing
Warranty Period	2 years (Damage from AC Voltage excluded)

## CONTACT

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877-330-5333

**maxcom** Model  
MX-RFSG1800F



Quick Start Guide

Compact Portable  
Signal/Sweep  
Generator



[www.maxcomcorp.com](http://www.maxcomcorp.com)

## Intended use

MX-RFSG1800F

The device is a highly integrated RF signal/sweep generator specifically designed for Cable Telecommunication Technicians working in the HFC environment. Its small size, portability and long-lasting battery power can easily assist the technician to quickly identify network issues when performing network bandwidth upgrades, equipment upgrades, or plant performance and proofing.

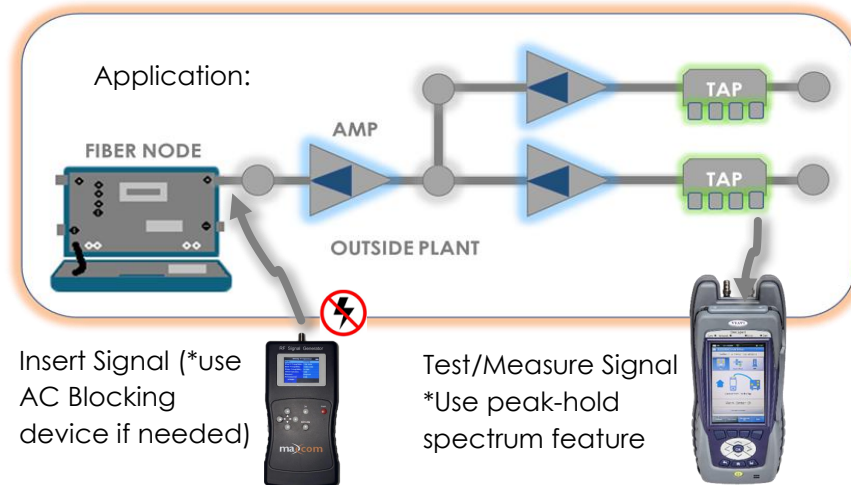
By injecting this signal source into the plant with this device, it allows the user to insert RF signals at specified frequencies (250 to 1800 MHz). This allows the technician the opportunity to verify and validate that coax, diplexers, active devices, and passives are capable of properly passing the desired frequencies. A valuable tool that allows the technician to "Proof" the network by recording the signal performance at the end of line or node.

A necessary tool that provides an excellent solution critically needed for troubleshooting defective network equipment, or other anomalies such as "suck-outs", "roll-off", and other network signal ailments and impairments.

1. RF output
2. LCD Screen
3. Power on/off
4. Directional keys (up, down, left, right)
5. OK (To Confirm)
6. Return (Escape)



- PWR** Power on/off. Press 3 seconds to power off.
- OK** Confirm the current operation. To save changes, select "START" then press OK key.
- RETURN** When changed prior to pressing "START", pressing "RETURN" will return to previous settings.
- ▲▼** Move cursor up/down or change frequency.
- ◀▶** Move cursor right/left or change options of current menu item.



Insert Signal (\*use AC Blocking device if needed)

Test/Measure Signal  
\*Use peak-hold spectrum feature

\*Note. Signal Generator may also be placed at end of line for reverse path testing

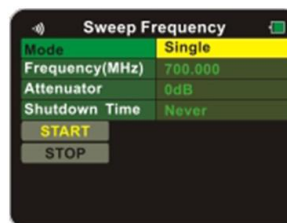
## LCD NAVIGATION and OPERATION

### LCD Menu



### Mode 1 Sweep

- Start Freq Start frequency, 250-1800MHz
- End Freq End frequency, 250-1800MHz
- Step Freq Step Frequency, select 1/3/6/9/12MHz
- Interval Output dwell time, 100~1000ms
- Repeat Once or Repeat, scan once or repeatedly
- Attenuator 0,5,10 attenuation selection available
- START When settings are modified ,select "START" and press OK key to save the changes. Device will start to transmit RF signal with this command
- STOP When selecting "STOP", press OK key, device will stop signal transmitting RF.



### Mode 2 Single

- Frequency Single Frequency Output, 250-1800MHz
- Attenuator 0, 5, 10 attenuation selection
- Shutdown Time: Never, 10mins, 30mins
- START When settings are modified ,select button "START" then press OK key to save the changes. Device will start to transmit RF signal with this command
- STOP When selecting "STOP", then pressing "OK", device will stop RF signal transmitting.