

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 Industry Common Practices when Storing or Disposing

Liquids - Do Not Submerge or Expose the Device to Liquid

Mini USB charging port input is +5 VDC

SPECS

Output	
F Connector	75ohm *DO NOT ALLOW AC VOLTAGE TO ENTER "F" PORT
Frequency range	700-1800MHz
Step bandwidth	1MHz to 12MHz
Power Level	Typ.+40 dBmV
Input	
Micro USB	+5 VDC For Charging and USB updates
Battery	
Capacity	2600mAh
Typical battery life	Approx. 9hrs continuous
Type	18650 With protection board (18*70mm) Model 18650GA 3.6 VDC
General	
Display	High-brightness color LCD - 2.4"
Dimension & Weight	6 1/4" X 4" X 1 3/8" w/ F port 250g (9 oz.) w/ battery
Environmental For Operating	Temperature: 32°F - 131°F 0°C - 55°C Humidity: 10%-85% non-condensing
Warranty Period	2 years (Damage from AC Voltage excluded)

maxcom Model
MX-RFSG1800



Quick Start Guide

Compact Portable Signal/Sweep Generator

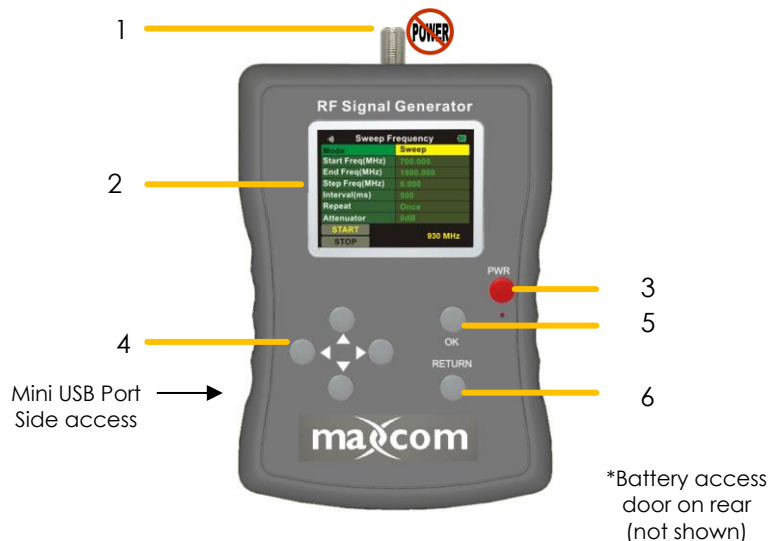
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The device is a highly integrated RF signal/sweep generator specifically designed for Cable Telecommunication Technicians working in the HFC environment. Its small size, portability and battery power can easily assist the technician to quickly identify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

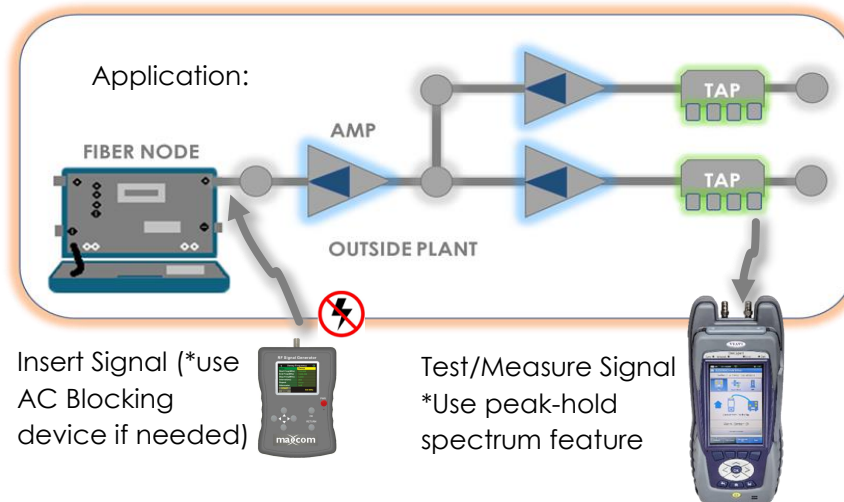
By injecting this signal source into the plant with this device, it allows the user to insert RF signals at higher frequencies (up to 1800 MHz). This allows the technician the opportunity to verify and validate the coax and passives downstream are capable of properly passing higher frequencies.

This allows the technician to "Proof" the network by recording the signal performance at the end of line. The device also provides an excellent solution for troubleshooting missed or defective network equipment, or other anomalies such as "suck-outs", "roll-off", and other 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.

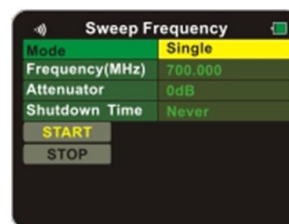


LCD NAVIGATION and OPERATION

LCD Menu



Mode 1	Sweep
Start Freq	Start frequency, 700-1800MHz
End Freq	End frequency, 700-1800MHz
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, 700-1800MHz
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.