XSG5000 Series RF Signal Generator Quick Guide

- **XSG5015A**
- **XSG5025A**
- **XSG5045A**
- **XSG5065A**

For product support, visit:www.owon.com.hk/download

※:The illustrations, interface, icons and characters in the user manual may be slightly different from the actual product. Please refer to the actual product.

General Warranty

We warrant that the product will be free from defects in materials and workmanship for a period of 2 years (1 year for accessories) from the date of purchase of the product by the original purchaser from our company. This warranty only applies to the original purchaser and is not transferable to a third party.

If the product proves defective during the warranty period, we will either repair the defective product without charge for parts and labour, or will provide a replacement in exchange for the defective product. Parts, modules and replacement products used by our company for warranty work may be new or reconditioned like new. All replaced parts, modules and products become the property of our company.

In order to obtain service under this warranty, the customer must notify our company of the defect before the expiration of the warranty period. Customer shall be responsible for packaging and shipping the defective product to the designated service centre, a copy of the customers proof of purchase is also required.

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care. We shall not be obligated to furnish service under this warranty a) to repair damage resulting from attempts by personnel other than our company representatives to install, repair or service the product; b) to repair damage resulting from improper use or connection to incompatible equipment; c) to repair any damage or malfunction caused by the use of not our supplies; or d) to service a product that has been modified or integrated with other products when the effect of such modification or integration increases the time or difficulty of servicing the product.

Please contact the nearest Sales and Service Offices for services.

Excepting the after-sales services provided in this summary or the applicable warranty statements, we will not offer any guarantee for maintenance definitely declared or hinted, including but not limited to the implied guarantee for marketability and special-purpose acceptability. We should not take any responsibilities for any indirect, special or consequent damages.

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1.General Safety Requirements

Before use, please read the following safety precautions to avoid any possible bodily injury and to prevent this product or any other connected products from damage. To avoid any contingent danger, ensure this product is only used within the ranges specified.

- **Use Proper Power Cord.** Use only the power cord supplied with the product and certified to use in your country.
- **Product Grounded.** This instrument is grounded through the power cord grounding conductor. To avoid electric shock, the grounding conductor must be grounded. The product must be grounded properly before any connection with its input or output terminals.
- **Check all Terminal Ratings.** To avoid fire or shock hazard, check all ratings and markings on this product. Refer to the user manual for more information about ratings before connecting to the instrument.
- **Use Proper Overvoltage Protection.** Make sure that no overvoltage (such as that caused by a thunderstorm) can reach the product, or else the operator might expose to danger of electrical shock.
- **Do not operate without covers**. Do not operate the instrument with covers or panels removed.
- **Avoid exposed circuit**. Be careful when working on exposed circuitry to avoid risk of electric shock or other injury.
- **Do not operate if any damage.** If you suspect damage to the instrument, have it inspected by qualified service personnel before further use. Any maintenance, adjustment or replacement especially to circuits or accessories must be performed by qualified service personnel.
- **Use your instrument in a well-ventilated area.** Make sure the instrument installed with proper ventilation.
- **Do not operate in damp conditions.** In order to avoid short circuiting to the interior of the device or electric shock, please do not operate in a humid environment.
- **Do not operate in an explosive atmosphere.** In order to avoid damages to the device or personal injuries, it is important to operate the device away from an explosive atmosphere.
- **Keep product surfaces clean and dry.** To avoid the influence of dust or moisture in air, please keep the surface of device clean and dry.
- **Electrostatic Prevention.** Operate the instrument in an electrostatic discharge protective environment to avoid damage induced by static discharges. Always ground both the internal and external conductors of cables to release static before making connections.
- **Protect the Input Terminals of Instrument.** Do not bend or hit the input terminals and the connected devices, (such as filter, attenuator, etc.) as such stress may cause damages to devices and the instrument. Do not mix

the use of 50Ω and 75Ω connectors and/or cables.

- **Do Not Overload the Input.** To avoid damaging the instrument, the signals at input terminal must be less than 50V DC voltage components and 30 dBm (1 W) AC (RF) components.
- **Appropriate Use of Power Meter.** If you are not sure of the characteristics of signal under measure, follow these recommendations to ensure safe operations: if a RF power meter is available, use it to measure the power level of this signal first; or add a rated external attenuator between signal cable and input terminal of the instrument. Maximum attenuation, reference level and maximum span frequency should be selected, so as to make the signals displayed within the screen.
- **Know About the Specification Conditions of the Instrument.** For maximum performance of the instrument, use the instrument under specified conditions.
- **Handling Safety.** Please handle with care during transportation to avoid damages to buttons, knob, interfaces and other parts on the panels.

2.Safety Terms and Symbols

Safety Terms

Terms in this manual (The following terms may appear in this manual):



WARNING: Warning indicates conditions or practices that could result in injury or loss of life.



CAUTION: Caution indicates the conditions or practices that could result in damage to this product or other property.

Terms on the product (The following terms may appear on this product):

DANGER: Indicates an immediate hazard or injury possibility.

WARNING: Indicates a possible hazard or injury.

CAUTION: Indicates potential damage to the instrument or other property.

Safety Symbols

Symbols on the product (The following symbols may appear on the product):

	Hazardous Voltage		Refer to Manual
	Chassis Ground		

General Inspection

When you receive your new instrument, it is recommended that you check the instrument following these steps:

1. **Check for transportation damage.**

   If it is found that the packaging carton or the foamed plastic protection cushion has suffered serious damage, do not throw it away until the complete device and its accessories have been electrically and mechanically checked.

2. **Check the Accessories.**

   The supplied accessories are described in "Appendix A: Accessories" of this Manual. Please ensure that all the listed accessories are present and undamaged, if any problems are found please contact your distributor or

our local office.

3. Check the Complete Instrument.

If there is any physical damage, operational fault, or performance issue please contact your distributor or our local office. If there is any damage to the instrument please ensure you keep the original packaging. Ideally you should always keep the original packaging if the instrument must be returned for repair.

Safety Precaution before Operation

Check Power Supply

The instrument is equipped with a three-wire power cord in accordance with international safety standards. The product must be grounded properly before being powered on, as floating or improper ground may cause damage to the instrument or personal injury.

Make sure the grounding conductor of the instrument is grounded before turning on the instrument. After which the AC power cord can be connected. Do not use a non-ground power cord.

Allowed Variation Range of Power Supply Parameters

The instrument is compatible with 100V~240V, 50Hz-60Hz AC power, table lists the power requirement to run the instrument.

Power Supply Parameter	Compatible Range
Voltage	100 - 240 VAC
Frequency	50 - 60 Hz
Max. Power	28 W

To prevent or lower the risk of damage to the instrument from power interference between instruments, especially from peak pulses produced by large power consumption instruments, a 220V/110V AC regulated power supply is recommended.

Power Cord Selection

The instrument is equipped with a three-wire power cord in accordance with international safety standards. This cable grounds the instrument cabinet when connected to an appropriate power line outlet. The cable must be rated greater than 250Vac and 2A.

Warning: Improper grounding may cause damage to the instrument, or result in personal injury. Make sure the grounding conductor of the instrument is grounded before turning on the instrument. Always use a well-grounded power source. Do not use an external power cable, power cord or an auto transformer without grounded protection. If this product is to be powered via an external auto transformer for voltage reduction, ensure that its common terminal is connected to a neutral (earthed pole) of the power supply.

Warning: Make sure the supply power is stable before turning on the instrument to protect it from damage. Refer to "First Time to Power on".

Electro-static Discharge (ESD) Protection

ESD is an issue often ignored by users. Damage from ESD on the instrument is unlikely to occur immediately but will significantly reduce the reliability of it. Therefore, ESD precautions should be implemented in the work environment, and applied daily.

Generally, there are two steps to manage ESD protection:

(1) Conductive table mats to connect hands via wrist bands.
(2) Conductive ground mat to connect feet via ankle straps.

Implement both protection methods will provide a good level of anti-static protection. If used alone, the protection will not be as reliable. To ensure user's safety, anti-static components should offer at least 1MΩ isolation resistance.

Warning: The above ESD protections measures cannot be used when working with over 500V!

Make good use of anti-static technology to protect components from damage:

(1) Quickly ground the internal and external conductor of the coaxial cable before it is connected with the instrument.
(2) Staff must wear anti-static gloves before touching the connector cord or doing any assemble work.

First Time to Power on

Connect the three-pin AC power cord into the instrument. Insert the plug into a power socket provided with a protective ground.

Warning: Check the power source before turning on the instrument, to protect the device from damage.

(1) Press the power switch  on the bottom left of the front panel.

(2) Allow the instrument to warm up for 30 minutes.

3.Primary User Guide

This chapter elaborates the following topics:

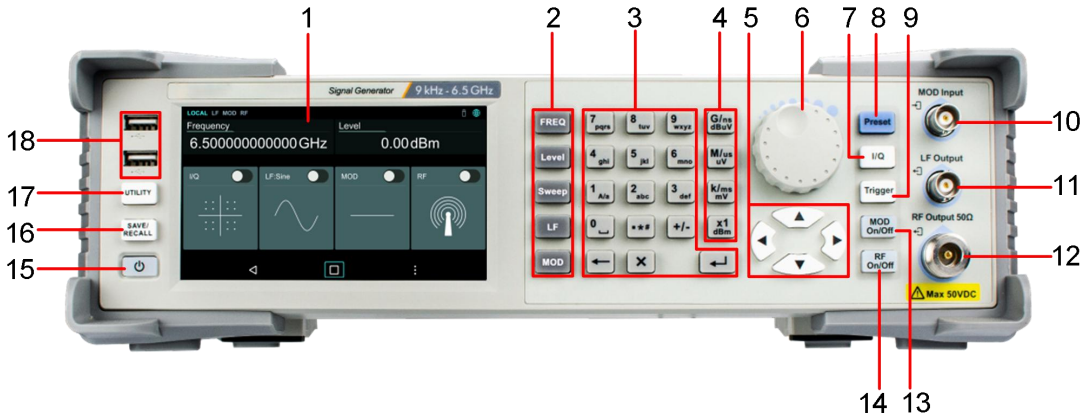
- **A General Knowledge Of The Instrument**
- **User Interface**
- **Touch Screen and External Mouse Control**
- **External Keyboard Control**
- **Basic Measurement**

A General Knowledge Of The Instrument

This chapter gives a brief description and introduction to the operations and functions of the front panel of the instrument, so as to facilitate your operations of the instrument in the shortest time.

Front Panel

On the instrument panel, knobs and function buttons are used to enter different function menus or directly use specific function application.



NO.	Description	NO.	Description
1	LCD	10	Mode input interface
2	Function keys	11	LF output interface
3	Numeric keypad	12	RF output 50Ω interface
4	Unit keys	13	Mode on/off key
5	Arrow keys	14	RF on/off key
6	Knob	15	Power key (Push to turn on, long push to turn off)
7	I/Q mode switch key	16	Save/recall key
8	Preset key	17	System setting key
9	Trigger key	18	USB Host port

Front Panel Function Key



Keys	Description
FREQ	Set frequency related parameters, including frequency, frequency offset, phase offset, etc.
Level	Set amplitude related parameters, including amplitude, amplitude offset, ALC status, flatness, etc.
Sweep	Set sweep related parameters, including sweep status, step sweep, list sweep, sweep direction, etc.
LF	Enter the LF interface to select the LF source or LF sweep mode.
MOD	Enter the modulation interface to select amplitude modulation, frequency modulation, phase modulation or pulse modulation.
Preset	Restore the instrument measurement configuration to factory default settings or user-defined measurement states. Users can select default state and user state via the [UTILITY] front panel key → [Setup] → [Reset Type] submenu.
I/Q	Enter the I/Q mode and configure relevant parameters.
Trigger	Trigger key: Press to trigger according to the current mode.
MOD On/Off	Modulation mode output master switch key: The key lamp illuminates to indicate output enabled.
RF On/Off	RF signal output key: The key lamp illuminates to indicate output enabled.
UTILITY	Enter the system setup interface to configure relevant parameters.
SAVE/ RECALL	Enter the file manager interface for file saving, loading and other operations.

Parameter Input

Specific parameter values are able to be entered using the numeric keypad, knob, and directional keys.

- **Numeric Keypad**



1. Numeric button
   - Press this button under English mode to input corresponding letters;
   - Press this button under number mode to input the numbers 0-9.
2. 1 A/a button
   Press this button under English mode to switch capital and small letter of English letters of input type; input the number “1” under numeric mode.
3. ▪*# button

Press this button under English mode to input special symbols; input decimal point “.” under number mode.

4. +/- button
   Press this button under English mode to switch small letter of English letters; press this button under number mode to enter negative number input state, which will display the parameter symbol “-”. Press this button again to return to return positive number input state.
5. Unit buttons
   Unit buttons include: G/ns/dBuV, M/us/uV, k/ms/mV and x1/dBm. Press the required unit button after inputting numbers. The meaning of unit button is subject to the type of current input parameter, i.e., “Frequency”, “Amplitude” or “Time”.
6. × Cancel button
   - Press this button while inputting panel button parameters to clear the input in active function area and exit parameter input state.
   - In the process of parameter input or file name editing on the small panel of touch screen, click to clear the characters in SIDE the input box, and double click to exit the current window.
7. ← Backspace button

   Press this button while inputting parameter to delete a character at the left side of cursor in the input box, or delete the last character from left to right

if there is no cursor.

8. ↵ button

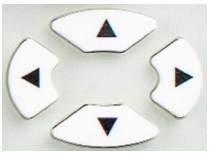
Press this button while inputting parameters to end inputting parameters and add unit value of the last input to the parameter.

- **Knob**



Knob function:
Press the knob to toggle between parameter edit state and function control state.
In the parameter edit state, the parameter is highlighted in white. Rotate the knob to increase (clockwise) or decrease (counterclockwise) the parameter by the specified step size.
In the function control state, rotate the knob to select the desired function. Press keys according to the selected function to pop up the numeric keypad or toggle switch status, etc.

- **Arrow keys**

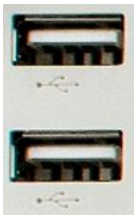


The directional keys have following functions:

- When entering parameters, press the left/right arrow keys to move the cursor, and press the up/down arrow keys to increment or decrement the parameter value by a fixed step.
- In the **SAVE/RECALL** file function, press the left/right arrow keys to select functions, and press the up/down arrow keys to move the cursor in the root directory.
- In other functions, press the arrow keys to switch setting parameters.

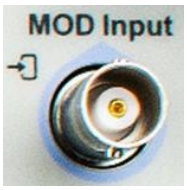
Front Panel Connector

1. USB Host



The instrument may serve as a "host" device to connect to external USB devices. This interface can be used for accessing a USB flash drive or more devices after expansion via USB HUB, such as external keyboard or mouse.

2. MOD Input



The modulation input port accepts an external modulation signal when the modulation source is set to External.

3. LF Output



Note: To prevent instrument damage, the reverse DC voltage on the RF output connector must not exceed 50 V. For frequencies above 1 MHz, the maximum continuous reverse input power shall not exceed +30 dBm.

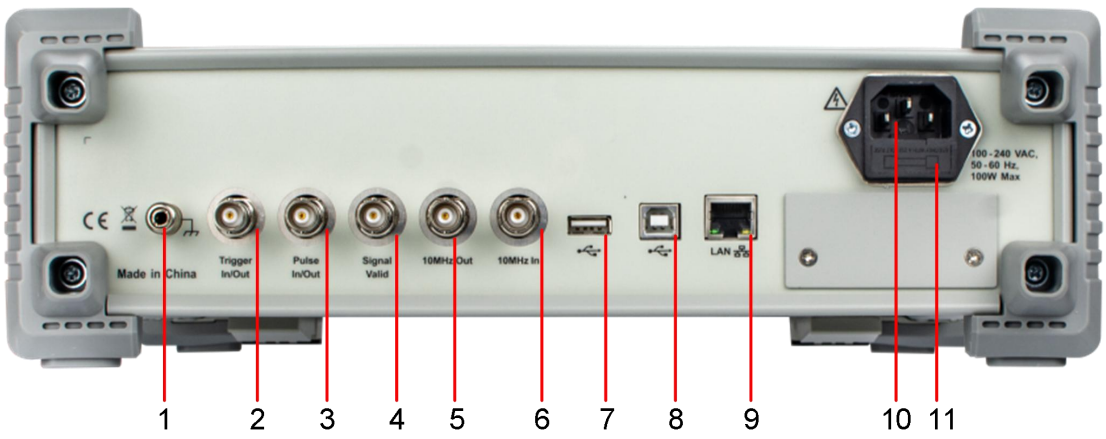
4. RF Output 50Ω



The RF input may be connected to a device via a N type connector

Note: The maximum output power of the RF output port is +20 dBm.

Rear Panel

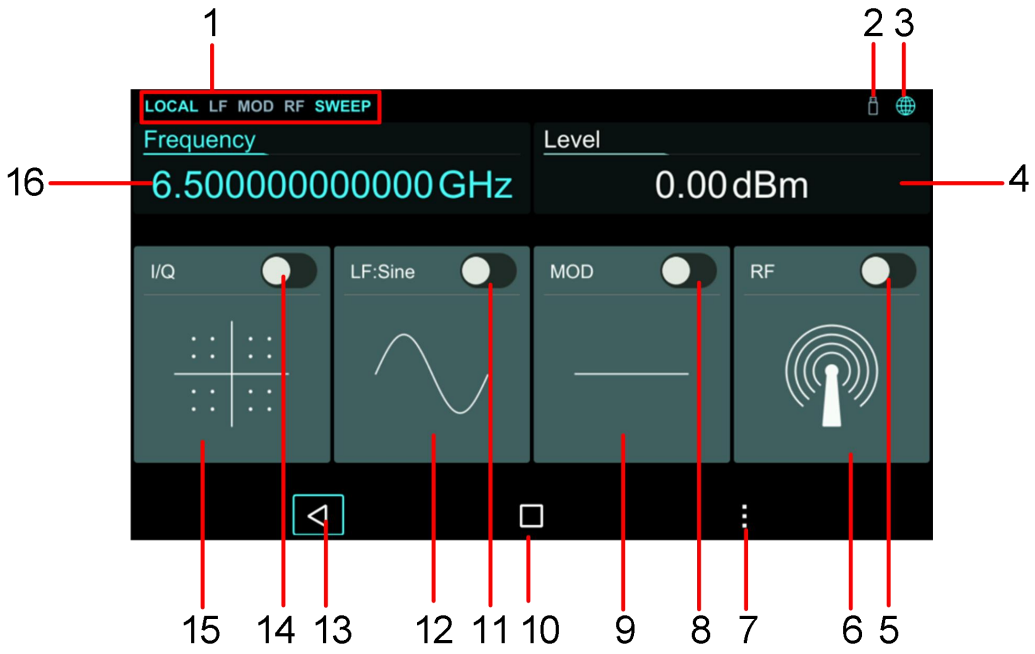


NO.	Name	Description

1	Lock hole	A security lock (purchased separately by the user) may be used with this lock hole to secure the instrument in place.
2	TRIGGER In/Out	When the trigger mode of Pulse modulation is set to Auto, this connector outputs a trigger signal. When the trigger mode of RF Sweep, Pulse modulation or LF Sweep is set to External, this connector accepts an external trigger signal.
3	PULSE In/Out	PULSE IN: Used to input an external pulse signal when the pulse source of Pulse is set to External. PULSE OUT: Used to output the pulse signal generated by the internal generator when the Pulse modulation source is Internal and the pulse output switch is enabled. The output signal depends on the selection of Pulse Type, which can be set to Single Pulse, Dual Pulse or Pulse Train.
4	SIGNAL VALID	When the RF output frequency or amplitude is modified, after a certain response and processing delay of the internal circuit, the front-panel RF output connector delivers the RF signal at the specified frequency and amplitude. During this period, the [SIGNAL VALID] port outputs a pulse synchronization signal to indicate the validity of the RF output: High level (3.3 V): RF signal is switching; Low level (0 V): RF signal is stable (valid).
5	10MHz Out	When the external reference is lost, out of range or disconnected, the instrument automatically switches to the internal reference, and "EXT REF" will no longer appear on the status bar. If the instrument uses the internal reference source, this port can output the internally generated 10 MHz clock signal for synchronizing other devices.
6	10MHz In	This port serves as the reference clock input / output. If the instrument detects an incoming 10 MHz clock signal, the signal will be used as the external reference source, and "EXT REF" will be displayed on the status bar of the user interface.
7	USB Host port	When the signal source acts as the host connected to an external USB device, a USB flash drive can be used to upgrade the signal source firmware, save the signal source configuration files to the flash drive, or connect an external mouse and keyboard.
8	USB Device interface	When the instrument acts as a device connected to an external USB host, data is transmitted through

		this port. For example, this port is used for connection to a PC or printer.
9	LAN interface	The instrument can be connected to a local area network via this port for remote control.
10	AC power connector	AC: 50–60 Hz, single-phase AC 220 V±15% or 110 V±15%.
11	Fuse	

User Interface



NO.	Name	Description
1	Status icon	Local / Remote: When Remote is shown in red, the on-screen keypad is locked. Press Preset to unlock. LF: Enable/disable status of the low-frequency signal generator. Modulation: Enable/disable status of the modulation mode. RF: Enable/disable status of the RF output.
2	U disk icon	Blue (Enabled), Gray (Disabled).
3	Network icon	Blue (Enabled), Gray (Disabled).
4	Amplitude parameter	Set amplitude parameter.
5	RF Switch	Enables or disables RF output.
6	RF Module	Tap to enter the RF output interface for relevant parameter configuration.

7	Menu key	Open the menu function window (corresponding to the function keys on the physical key area).
8	Modulation switch	Enables or disables modulation output.
9	Modulation Module	Tap to enter the modulation output interface for relevant parameter configuration.
10	Home key	Switch to main interface.
11	LF: Sine Wave Switch	Enables or disables LF sine wave output.
12	LF: Sine Wave Module	Tap to enter the LF sine wave output interface for relevant parameter configuration.
13	Return key	Return to the previous screen.
14	I/Q switch	Enables or disables I/Q output.
15	I/Q modulation	Tap to enter the I/Q output interface for relevant parameter configuration.
16	Frequency parameter	Set frequency parameter.

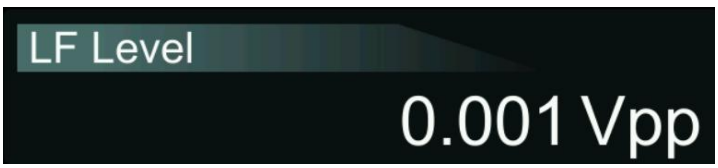
Touch Screen and External Mouse Control

The display is touchscreen-enabled. Gesture control is supported directly on the interface, and on-screen menus can be tapped for parameter editing. When a scroll bar appears on the right, swipe up or down to view more menus. Access mouse via USB port. If arrow appears on the screen, operate with the mouse.
The instrument can be operated by controlling the focus via keys and knob together with Enter.

- When the focus is on a switch component, pressing Enter toggles the switch state.



- When the focus is on a numeric input component, pressing Enter brings up the numeric keypad.



- When the focus is on a drop-down menu component, pressing Enter pops up the menu.



- When the focus is on a single digit, use the up/down arrow keys or the knob to increase or decrease the value, and use the left/right arrow keys to move the cursor and select the digit to adjust.



External Keyboard Control

Insert the keyboard into the USB port on the front panel. Control and input can be realized by keyboard. Buttons are corresponding to the following:

Button	Description	Button	Description	Button	Description
F	Frequency	L	Level	S	Sweep
K	LF	O	MOD	P	Preset
I	I/Q	T	Trigger	M	MOD On/Off
R	RF On/Off	A	Save/Recall	U	Utility
W	Power/Off	F9	GHz/ns/dBuV	F10	MHz/us/uV
F11	kHz/ms/mV	F12	X1 dBm	0~9	0~9
Backspace	←	Esc	X	Enter	Enter

Basic Measurement

Follow these five simple steps to configure the output signal:

1. Enter the frequency screen and set the frequency.
2. Enter the amplitude screen and set the amplitude.
3. Turn on the RF switch.
4. Turn on the MOD switch, enter the modulation screen, enable FM modulation, and set the modulation frequency and frequency deviation.
5. Connect the RF port of the signal source to the measuring device (e.g., another instrument), then observe the signal on the measuring device.

4.Remote control

The RF signal source supports communication with a computer via USB and LAN interfaces. With these interfaces, together with appropriate programming languages or NI-VISA, users can remotely program and control the instrument using the SCPI command set. The RF signal source supports VXI-11, Socket and Telnet protocols. The host computer can be a personal computer (PC), minicomputer or certain smart instruments.

USB Interface Control

Procedure is as follows:

1. Install NI-VISA software on the PC to load the USB-TMC driver.
2. Use a USB A- B cable. Connect the B connector to the USB Device port on the rear panel of the signal source, and the A connector to the USB HOST port of the PC.
3. Power on the signal source. The signal source will be detected as a new USB device by NI-VISA. Send SCPI commands via NI-VISA to control the signal source.

LAN Interface Control

Procedure is as follows:

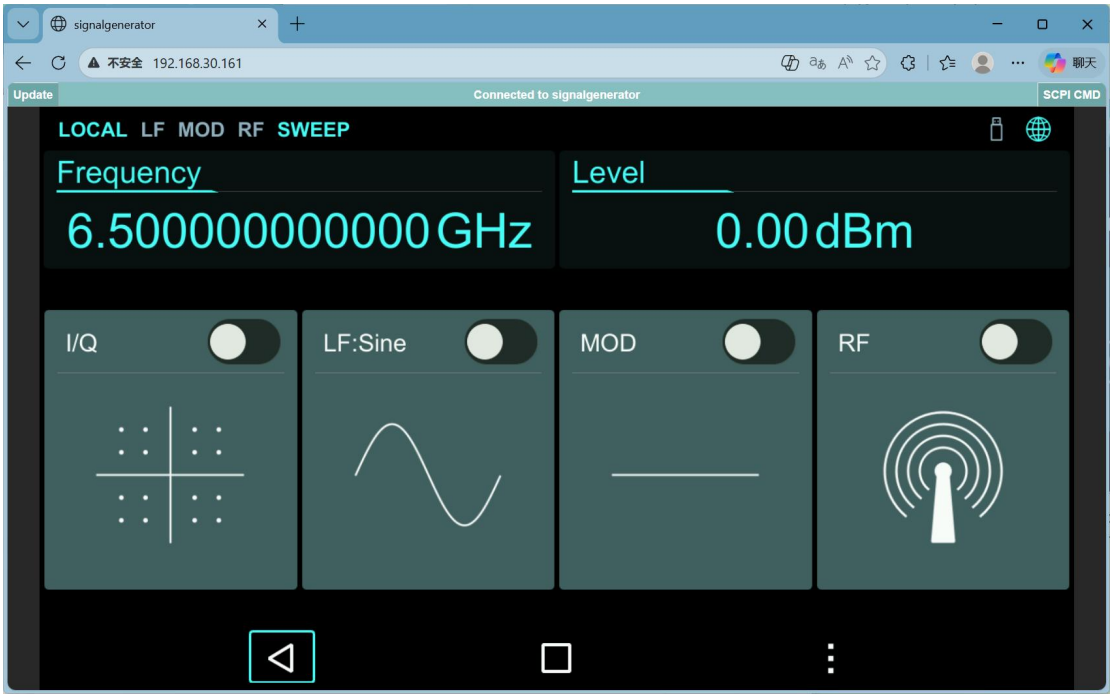
1. Install NI-VISA software on the PC to load the driver supporting the VXI-11 protocol.
2. Use an Ethernet cable. Connect one end to the LAN port of the signal source and the other end to the local area network where the PC resides.
3. Power on the signal source and enter the interface setting screen. Select DHCP or static IP and configure the relevant network parameters.
4. The signal source will be detected as a new network device by NI-VISA. Send SCPI commands via NI-VISA to control the signal source.

Web Control

Procedure is as follows:

1. Use an Ethernet cable. Connect one end to the LAN port of the signal source and the other end to the local area network where the PC resides.
2. Power on the signal source and enter the interface setting screen. Select DHCP or static IP, and configure the relevant network and web parameters.
3. Open the browser on the PC, enter the IP address of the signal source in the address bar, and enter the password to access the control interface of

the signal source. If no password is set, the interface can be accessed directly.



4. The firmware upgrade package can be selected at the upper left of the webpage and sent to the signal source for firmware update. The SCPI control module can be opened at the upper right to send SCPI commands for instrument control.

5.Warranty

Troubleshooting

Typical issues that may occur when using your instrument:

- Power on malfunction
- No signal display
- Wrong measurement results or poor frequency or amplitude precision.

1. Power on malfunction

Power on malfunction can include a situation where the screen is still dark (no display) after switch on.

If the screen is still dark after power on, please check:

1) If the power supply has been connected correctly and it the power supply voltage range is within the specification.
2) If the power switch has been turned on.
3) If the fan is running, please contact us for service.

If the power indicator is not lit and the fan is not spinning, there might be a problem with the power supply of the instrument. If the system cannot be accessed, it could be a CPU failure in the instrument. If all the above checks are normal, then it's possible that the components related to graphic display are faulty.

2. USB Device Not Recognized

If the signal source fails to detect the connected USB device, follow the steps below for troubleshooting:

1) Verify that the USB flash drive works properly when connected to another instrument or PC.
2) Confirm that a flash-type USB drive is used. Hard-disk-type USB drives are not supported.
3) Restart the instrument and reinsert the USB drive for verification.
4) If the USB drive still cannot work properly, contact our company.

3. Unresponsive Keys or Ghosting

If the signal source keypad malfunctions, follow the steps below for troubleshooting:

1) After power-on, check whether all keys are unresponsive.
2) Go to UTILITY -> Self-Test -> Key Test to check for unresponsive keys or key ghosting.
3) If the above symptoms exist, the keypad cable may be loose or the keypad damaged. Do not disassemble the instrument by yourself. Please contact our company promptly.

4. No Signal Output

If no signal is output on all bands, perform the checks below: Set the signal source RF frequency to 30 MHz and power to -20 dBm, then feed the signal into the RF input port of the instrument. Tighten the signal cable. If no signal is observed, a hardware circuit fault may exist in the RF signal source. Contact the manufacturer for troubleshooting.

5. Poor signal frequency precision

If the signal jitters horizontally on the signal source screen or the frequency reading exceeds the error range when signal output is enabled, first check whether the signal frequency displayed on the instrument is stable. If the input signal frequency is stable, verify the reference frequency of the RF signal source. Select Internal Reference or External Reference according to test conditions. If the frequency reading is still inaccurate, the internal local oscillator of the RF signal source may lose lock, and the instrument needs to be returned to the manufacturer for repair.

6. Poor readout amplitude precision

If the amplitude output is inaccurate, check whether the RF signal source is within its calibration interval (1 year). If the interval has expired, calibrate the instrument. If the amplitude output remains incorrect after calibration, an internal circuit fault may be present. Contact the manufacturer for repair.

Repair

When it is difficult to solve your instrument problem, you can contact us by phone or fax. When it’s confirmed that the instrument is damaged and need return to repair, you need to wrap the instrument with the original packaging material and the packing box, follow the steps below to package:

1) Write a detailed description of the malfunction of the instrument, put it in the box together with the instrument.
2) Put the instrument in a dustproof / antistatic plastic bag to reduce possible damage.
3) Place pads in four corners of mother packaging carton, then put the instrument into the mother carton.
4) Seal the carton with tape and tighten it with nylon tape.
5) Mark the carton with words of "Fragile! Do not touch! Carefully".
6) Ship by type of precise instruments.
7) Keep all the copies of shipping sheets.

Caution: The use of other materials to package the spectrum analyzer may damage the instrument. Do not use polystyrene pellets as packaging materials, they can not adequately fit the instrument, and can be sucked into fan by the generated electrostatic, causing the instrument damage.

6.Appendix

Appendix A: Accessories

Standard Accessories

- Power Cord
- Quick Guide
- USB Cable
- N-BNC joint

Optional Accessories

- N-N Cable
- N-SMA Cable
- SMA-SMA Cable
- SMA-KK
- N-SMA Adaptor

Appendix B: General Care and Cleaning

General Care

Please do not place the instrument in areas exposed to direct sunlight for prolonged periods.

Caution

To avoid any damage to the instrument or probes, do not exposed it to any sprays, liquids, or solvents.

Cleaning

Inspect the instrument and probes as often as operating conditions require. To clean the instrument exterior, perform the following steps:
Wipe the dust from the instrument surface with a soft cloth. Take care not to scratch the transparent LCD protection screen when cleaning.

Warning: Before re-applying power, ensure that the instrument is completely dry, avoiding any electric shock or electrical short circuit resulting from moisture.

Appendix C: USB Disk Requirements

USB disk requirements:
Max capacity 4G, NTFS file system is not supported. If the USB disk doesn't work properly, format your USB disk and then try again.

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