

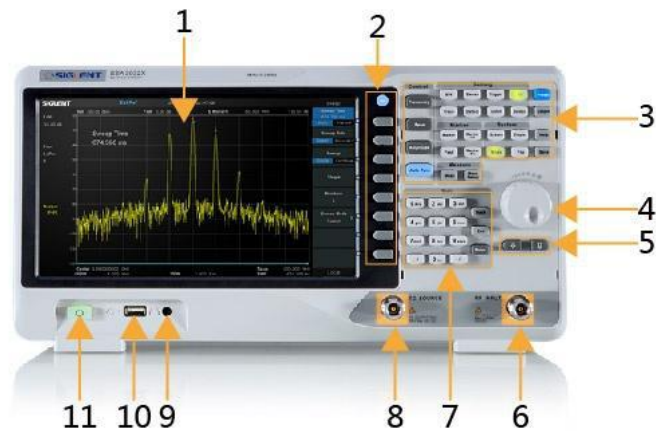
SVA1000X Firmware Revision History

Version	Revision
V2.2.1.2.1 2019/6/1	<p>Notice:</p> <p>This firmware must be upgraded from V2.1.1.1.12a or later. If your SVA1015X has an earlier version, please update to V2.1.1.1.12a first and then proceed to update to the latest version.</p> <p>New Functionality:</p> <ul style="list-style-type: none"> • Add CNR, Harmonic measurement in AMK options for SA Mode • Add port extensions, user cal kit, new marker functions, correction switch, multi-traces and multi-format overlay display for VNA Mode • Extend xQAM, MSK, xPSK modulation analysis in DMA option for MA Mode • Add new marker functions, multi-traces and multi-format overlay display for MA Mode • Add SCPI commands for VNA and MA Modes • Add some system functions: Screen Annotation in Display menu, FTP server for file transfer <p>Improvements:</p> <ul style="list-style-type: none"> • Optimize UI, refresh and response for all Modes • Optimize SCPI commands for basic control, such as INIT, *OPC?, *ESR, Abort, etc. • Optimize Log scale axes, Peak search, Auto tune, TG normalization for SA Mode • Optimize S11 and S21 simultaneous measurement, calibration control, trace control and auto scale for VNA Mode • Optimize some system functions: Power Saving, IP config <p>Solved Issues:</p> <ul style="list-style-type: none"> • Fixed OBW Transmit Freq Error • Fixed bugs during Mode switch
V2.1.1.1.13 2018/11/1	<p>New Functionality:</p> <ul style="list-style-type: none"> • Screen saver for power saving • VNC View only for web server • VNA: .csv file for each format, Expand Phase for marker <p>Improvements:</p> <ul style="list-style-type: none"> • VNA: Auto Scale, min Scale to 0.1 dB • DTF: logistic scale for RL display <p>Solved Issues:</p> <ul style="list-style-type: none"> • Invalid Demod time in FM • Scale in TG • Wrong units in Markers and peaks • Boot or Mode start lock up

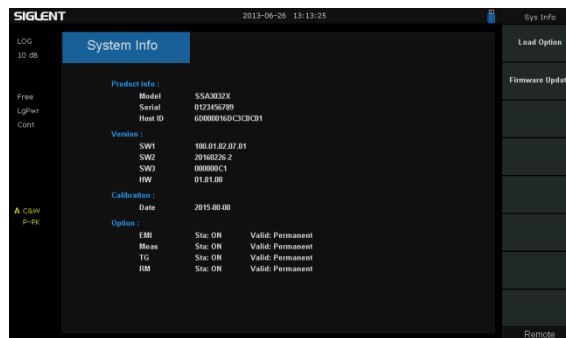
Version	Revision
	<ul style="list-style-type: none">• Udisk display wrong files• SCPI command incompatible• Min span to 10kHz in AMK power measurement
V2.1.1.1.12a 2018/8/8	<ol style="list-style-type: none">1. Spectrum Analysis mode : Improved the stability of sweep and interface.2. VNA mode: fasten the VNA sweep speed; expand the minimum span from 10M to 10 kHz.3. Modulation Analysis mode: add trigger, optimize the modulation analysis algorithm.4. Add user port number selection for web server.

Update Instructions

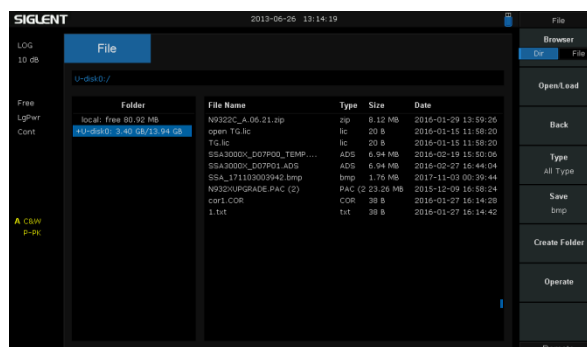
- Copy the update file (*.ads) to a FLASH type U-disk, and then connect the U-disk to the USB host port(10) of the instrument.

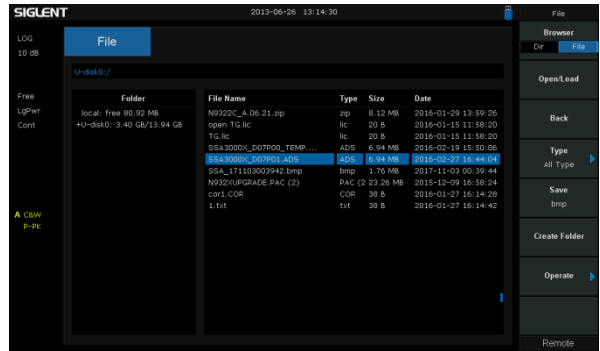


- Press the **System** key on the front panel, and then softkey “System->System Info-> Firmware Update”, to enter the interface of the file browser.

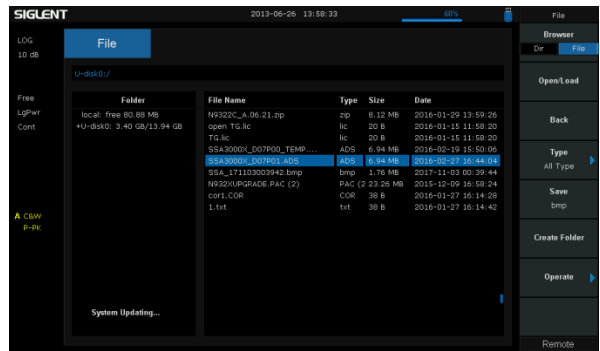


- Select “ U-disk” thru the knob on the front panel, press “Browser”, and then select the correct **ADS file** using the knob





- Press "Open/Load" to start the update. A progress bar is displayed during the update. When updating complete, the spectrum analyzer will restart automatically.



WARNING:

DO NOT shut down the instrument during updating