

Signalcrafters TECH, INC

MODEL 110

Quick Reference Guide

MODE / RESULT	ACTION	SCREEN AREA LOCATOR*	SCREEN DISPLAYS	NOTES [] Notes on Display
Setup / Operation				
Power ON/OFF	Press ON/OFF Switch Lower Left-Hand Front Panel	N/A	(See Notes)	ON - Main Screen OFF - Blank Screen
Back Light ON/OFF	 <small>LIGHT</small>	N/A	(See Notes)	On - Bright Screen Off - Dark Screen
Contrast	/ <small>CONTRAST</small> <small>LSB/USB</small>	N/A	(See Notes)	Adjust ↑↑/↓↓ to Desired Level [Use Up/Down Key]
Speaker Level	/ <small>SPEAK. LVL</small> <small>LSB/USB</small>		Line Graph	Adjust ↑↑/↓↓ to Desired Contrast [Use Up/Down Key]
Z (Impedance)	 <small>Z</small>		50, 75, 135, or 600	Steps Through Each Z (Impedance)
Vrms / dBm	 <small>Vrms/dBm</small>		dBm or Vrms	Switches Between Volts and dBm
Balanced or Unbalanced Input	 <small>BAL</small>		BAL or UNBAL	BAL: [Use + Red/- Blk Balanced Inputs] UNBAL: [Use Lower Unbal. BNC Inputs]
Set / Change a Bandwidth	 <small>BW/3100</small>		25, 100, 1950, 3100 5MHz and Wide	Selects Input Bandwidth in FSVM Mode Selects Input Bandwidth in Wide Mode
Display Averaging	 <small>DISPLAY</small>		Line Graph	↑↑/↓↓ to Increase / Decrease Display Averaging Samples
dB Reference	 <small>Vrms/dBm</small> <small>ENTER</small>		Reference Level	Reading Becomes Reference
Enter dB Reference	 <small>Vrms/dBm</small> <small>ENTER</small>		Reference Level	Enter Level Desired Including +/- and •
Set Clock / Date	x5 / [Repeat]		Date and Time	Repeat ↑↑/↓↓ - Enter for Each Parameter [Use Enter and Up/Dwn For Time]
Maximum Hold	 <small>TUNE FREQ</small>		MAXHLD	Repeat to Turn Off [Warning: Max Hold Is On]
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Bridged Z / Hi Z Termination	 <small>Bridged Z/Hi Z Termination</small>		N (Z) or High	In Internal Attenuator, Allows Bridged Z to be Programmed
Steps	 <small>SEARCH</small>		“Value”	Freq./Level Steps. Change ↑↑/↓↓. Repeat Action Changes Step
Clear		N/A		Returns To Previous Value Prior To Using ↑↑/↓↓ or # Keys
Enter		N/A		Enters Input
2nd			2ND	10 Second Time-Out
Perm / Opt 2 Key	 <small>OPTIM 2</small>	N/A		Reserved For Future Use
Numeric Keys	 <small>See Legend</small>	N/A		Use 1-0, +/-, and • As Required To Enter Values
Frequency Selective Voltmeter (FSVM)				
Enter FSVM Mode	OR <small>FSVM</small> OR <small>TUNE FREQ</small>		FSVM	Default Mode [Warning Will Appear if Max Hold is On]
AFC On / Off	 <small>AFC</small>		On/Off	Repeat Action to Turn On/Off
Tune Frequency	/ OR <small>TUNE FREQ</small> <small>LSB/USB</small> OR <small>See Legend</small> <small>ENTER</small>		“Value”	[Use Up/Dwn Key or Enter Value]
Search From Existing Frequency	1 / 2 OR OR <small>SEARCH</small> <small>LSB/USB</small> OR <small>SEARCH</small> OR <small>CLEAR</small> OR <small>ENTER</small>	N/A	“Value”	1.) Search Up/Down From Existing Frequency [Searching] 2.) To Stop Searching
Search Within a Range	[Repeat For Start, Stop, and Threshold]		“Value”	Last <ENTER> Starts Search [Search Complete]
Threshold	 <small>RECALL</small> <small>See Legend</small> <small>ENTER</small>			Include +/- if Required. Value Disap- pears
Enter Demod Mode	Must Be in FSVM Mode First <small>DEMOD</small>		AM, DSB, USB, or LSB	Repeat Action to Toggle Through Modulation Types
Select AM, USB, LSB, or DSB	OR For USB/DSB/LSB <small>DEMOD</small> OR <small>LSB/USB</small>		AM, DSB, USB, or LSB	Repeat to Toggle Through Modulation Types

C O N T I N U E D

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A T T E N U A T O R				
Internal Attenuator			On/Off	[Use Upper Int. Attenuator BNC Input]
External Attenuator	[Use Up / Down Key or Enter Value]		“Value”	[Use Lower BNC] or [Use + RED / - BLACK Balanced Input]
Set External Attenuator Value			“Value”	
O S C I L L A T O R (O S C .)				
Turn Oscillator On/Off	On Off		On/Off	Off Reduces Battery Drain. When On, [Use Up / Down Key or Enter Value]
Oscillator Z (Output Impedance)			50 Ohms or 600 Ohms	Switches Between 50 Ohms or 600 Ohms. Oscillator Need Not Be On.
Set Oscillator Frequency Change Oscillator Frequency	OR		Frequency Entered	[Use Up / Down Key or Enter Value]
Set Oscillator Level Change Oscillator Level			Level Entered	[Use Up / Down Key]
M E M O R Y				
Store A Reading			[Stored In Memory]	Store Up To 99 Readings
Recall A Reading				Recalled Value. Press CLR to Release
Clear a Reading				[Recalled Value Press CLR to Release] Then [Stored Value Cleared]
Store A Set-Up				Function Times Out After 5 Seconds Up to 24 Set-Ups. [Setup Saved]
Recall A Set-Up			Number	
Clear Set-Up				[Set-Up Cleared]
Download To A Computer	Refer To Remote M110 Software For Instructions			See User’s Guide

MODE / RESULT	ACTION	SCREEN AREA LOCATOR*	SCREEN DISPLAYS	NOTES [] Notes on Display
W I D E B A N D				
Enter Wideband Mode				Flat Meter Operation. [True RMS] Frequency Over Range
F U N C T I O N				
Default			Default Values	↑↑/↓↓ or #'s To Scroll or Set a Set Up [Set Add. to Recall or Store to Save]
S C R E E N / D I S P L A Y				
Standard Display		N/A		Default Screen
Analog Meter Display		Full Display	Digital Analog Meter	Repeat to Return to Default Display
Auto Ranging On / Off		N/A	Manual Scale Auto Scale	In Analog Meter Display Only
Analog Meter Parameters		Flashing Boxes	“Values”	Steps Through Each Parameter [Change As Required]
Power Calculator Display		Full Display	“Values”	Press Digital Display Meter Key to Return to Analog or Default Displays
Power Calculator Parameters		Flashing Boxes	“Values”	Steps Through Each Parameter [Change As Required]
(User Defined)				
(User Defined)				

LEGEND



Number Keys (# Keys) Include All Numeric Keys As Well As the Decimal Point Key and/or +/- Key If Required.

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