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# TECHNICAL MANUAL ERT DYNALINK

## With optional remote display

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## Wireless dynalink technical manuals

This manual is designed to provide the reference for internal production line member to debugging and testing, or reference for large-scale dealers, agents to maintenance and parameter setting. Please note that the confidentiality of information, avoid user mishandling to affect the accuracy of product.

### 1. Remote Setting

In addition to the function of the remote control which is mentioned in user manual, there are many other function in the wireless handle instrument for production line member and large-scale dealers, agents to use. it can be used to control the dynalink 3 point calibration, voltage calibration, RF parameter setting and default parameter storage .Using method as following:  
Power on the DYNALINK first, then press [PEAK], [MODE] and [ON/OFF] key 3 seconds.

KEY	DISPLAY	ILLUSTRATION
Press [PEAK][MODE] [ON/OFF] 3Seconds	[[ 00000 ]]	After display [[ 00000 ]] can release key
	[[ 88888 ]]	Display Twice
	[[ Ert ]]	Display Twice
	[[ u 3.2 ]]	Display Current DYNALINK Software version
	[[ U X.XX ]]	Display Current DYNALINK DC voltage
	[[ SEtdC ]]	DC voltage calibration
<b>Press [ENTER] key start DC voltage calibration procedure</b>		
Press [ENTER]	[[ U AdJ ]]	DYNALINK and handle instrument Display synchronization
[ENTER]	[[ U X.XX ]]	Display voltage value, press [ZERO] to adjust digit, press [TARE]to move digit
[MODE]	[[ SEtdC ]]	Storage voltage value, DYNALINK return back normal status
<b>Following start to DYNALINK RF setting</b>		
Press[MODE]	[[ SEtrF ]]	DYNALINK RF parameter setting
[ENTER]	[[ CH E3 ]]	Display current wireless channel(default is E3)Can be selected from 00 to FF, press [ZERO] to adjust digit, press [TARE]to move digit
[ENTER]	[[ AddrH ]]	Address code high 4bits,Used for wireless net, sole instrument don't adjust
[ENTER]	[[ 00CCC ]]	press [ZERO] to adjust digit, press [TARE]to move digit
[ENTER]	[[ AddrL ]]	Address code low 4bits,Used for wireless net, sole instrument don't adjust
[ENTER]	[[ CCCCC ]]	press [ZERO] to adjust digit, press [TARE]to move digit
[ENTER]	[[ pAirH ]]	Pair code high 4bits,Used for wireless net, sole instrument don't adjust

[ENTER]	[[ H0000 ]]	press [ZERO] to adjust digit, press [TARE]to move digit
[ENTER]	[[ pAirL ]]	Pair code low 4bits,Used for wireless net, sole instrument don't adjust
[ENTER]	[[ L0000 ]]	press [ZERO] to adjust digit, press [TARE]to move digit
[ENTER]	[[ bAud4 ]]	Bauds of wireless communication(for 433Mhz and 868MHz setting, bAud1: 1200bps, bAud2:2400bps,bAud3:4800bps, bAud4:9600bps
[MODE]	[[ SEtRF ]]	Any time of above procedure, press[MODE]key, the DYNALINK will return back to normal status, hand instrument return to [[ SEtRF ] menu, press [MODE]key to select [[ ESC ] , press [ENTER]key return to normal communication status,
<b>Following start to 3 points calibration(countermeasure loadcell nonlinearity)</b>		
Press[MODE]	[[ SEt3P ]]	start to 3 points calibration procedure
[ENTER]	[[ CAL 3 ]]	
[ENTER]	[[ CALSP ]]	Zero position confirmation
[ENTER]	[[ LoAd1 ]]	First time load
[ENTER]	[[ XXX ]]	Input first time load value, press [ZERO] to adjust digit, press [TARE]to move digit
[ENTER]	[[ LoAd2 ]]	Second time load, value need more than first time value 20%
[ENTER]	[[ XXX ]]	Input second time load value, press [ZERO] to adjust digit, press [TARE]to move digit
[ENTER]	[[ LoAd2 ]]	Third time load, value need more than second time value 20%
[ENTER]	[[ XXX ]]	Input third time load value, press [ZERO] to adjust digit, press [TARE]to move digit
[ENTER]	[[ XXX.X ]]	Display the value after calibration, add one digit
Press[MODE] to secelect	[[ ESC ]]	
[ENTER]	[[ XXX.X ]]	Display the value after calibration, add one digit
[TARE]	[[ XXX ]]	Sub 1 digit, display normal data
<b>Save DYNALINK Default setting and calibration data for user maintenance</b>		
OFF handle instrument first, then press[PEAK]、[MODE]、[ON/OFF] key 3 seconds		

Press[MODE]	[[ dFULt ]]	Company default setting
[ENTER]	[[ S dFL ]]	Save default setting value
[MODE]	[[ dFULt ]]	After press [mode] key, DYNALINK save data and return back to normal status, handle instrument return back to menu status
Press[MODE] to select	[[ ESC ]]	
[ENTER]	[[ XXX ]]	handle instrument return back to normal communication status

## 2. LOCAL Setting

After Remote setting ,if DYNALINK RF parameters are changed, the handle instrument will can not communicate with DYNALINK, it must be set the parameters same as DYNALINK. setting method as following:

KEY	DISPLAY	ILLUSTRATION
[ZERO][TARE] [ON/OFF]	[[ 00000 ]]	After display [[ 00000 ]] can release key
	[[ 88888 ]]	Display Twice
	[[ Ert ]]	Display Twice
	[[ u 3.2 ]]	Display Current handle instrument Software version
	[[ U X.XX ]]	Display Current handle instrument voltage
	[[ LOCAL ]]	Local parameter setting
[MODE]	[[ CH E3 ]]	Display current wireless channel(default is E3)Can be selected from 00 to FF, press [ZERO] to adjust digit, press [TARE]to move digit
[MODE]	[[ AddrH ]]	Address code high 4bits,Used for wireless net, sole instrument don't adjust
[MODE]	[[ 00CCC ]]	press [ZERO] to adjust digit, press [TARE]to move digit
[MODE]	[[ AddrL ]]	Address code low 4bits,Used for wireless net, sole instrument don't adjust
[MODE]	[[ CCCCC ]]	press [ZERO] to adjust digit, press [TARE]to move digit
[MODE]	[[ pAirH ]]	Pair code high 4bits,Used for wireless net, sole instrument don't adjust
[MODE]	[[ H0000 ]]	press [ZERO] to adjust digit, press [TARE]to move digit
[MODE]	[[ pAirL ]]	Pair code low 4bits,Used for wireless net, sole instrument don't adjust

[MODE]	[[L0000]]	press [ZERO] to adjust digit, press [TARE]to move digit
[MODE]	[[U AdJ]]	Handle instrument DC voltage adjustment
[MODE]	[[U X.XX]]	press [ZERO] to adjust digit, press [TARE]to move digit
[MODE]	[[bAud4]]	Bauds of wireless communication(for 433Mhz and 868MHz setting, bAud1: 1200bps, bAud2:2400bps,bAud3:4800bps, bAud4:9600bps
[ENTER]	[[ 0]]	Save parameter value and return back to normal communication status. if need to save parameter value as company's default setting Just press [PEAK] and [ENTER]key 3 seconds

### 3. Recall handle instrument default value

If the handle instrument's parameter were changed by wrong operation. User can recall company's default value:

Switch off handle instrument, press [TARE] ,[ENTER] and [ON/OFF] key 3seconds,handle instrument will display L dFL and automatic power OFF. Press [ON/OFF] key ,default value will be load into handle instrument.

### 4. Recall DYNALINK default value

If the DYNALINK' s parameter were changed by wrong operation. User can recall company's default value:

Switch off DYNALINK, then press[ZERO], [TARE] and [ON/OFF] key 3 seconds on DYNALINK overlay. The default value will be load into DYNALINK