FocusPhone™ *Guide*

for
Strand Lightpalette 90

6/8/02

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INTRODUCTION

Congratulations on your purchase of a FocusPhone. In a few minutes you will experience the thrill of running your lighting console from a cordless phone.

This booklet will guide you though the setup and checkout of the FocusPhone. The tutorial section will teach you everything you need to know to set levels using dimmers, channels or groups; to run cues; and even to use macros. With a little practice you will find the FocusPhone as easy to use as a wired remote control, and far more convenient.

Enjoy!

SETUP

1. Make sure the power switch on the FocusPhone interface box is off.
2. Plug the FocusPhone cable into the console Hand Held Remote port.
3. Plug the modular telephone cable into the FocusPhone box.
4. Plug the other end of the telephone cable into the phone base station.
5. Plug the phone power adapter cable into the phone base station.
6. Plug the power adapter into a 120v AC outlet.
7. Turn on the FocusPhone power switch.

Note: Never plug the FocusPhone into a phone line; both the FocusPhone and the phone line may be damaged. The FocusPhone is not certified or designed to be used on a live phone line.

Note: Always turn off the FocusPhone when plugging or unplugging it.

CHECKOUT

Do this step:

If there is a problem:

1 - With the handset removed from the base station cradle, press the PAGE button on the base station.

Check base station power. Check handset battery.

The handset should start beeping.

2- Press the TALK button on the handset.

The handset should stop beeping and the red "charge/in use" light on the base station should go on.

Possible interference; press handset CHAN button to change wireless channels. Place base station away from monitors, wireless intercom transceivers, or other sources of electrical interference.

3- Confirm that the FocusPhone unit's green power light is on.

Check that the FocusPhone power switch is on. Check that console is on. Ensure that you the FocusPhone is plugged to a handheld-capable serial port (7, 8 or 9 on a tower).

4- Press $\boxed{1}$ $\boxed{*}$ $\boxed{0}$ $\boxed{5}$ $\boxed{*}$ on the cordless handset.

Ensure that the port is configured for Handheld Remote and the rate is set for 1200.

Channel 1 should be at 5% on the LP90 display.

See step 2

5- The yellow LED on the FocusPhone unit should flash once for each key tone received. Confirm this by watching the LED while you press each number key and $\boxed{*}$ and $\boxed{#}$ on the handset.

See step 2

6- On the handset, press $\boxed{#}$ $\boxed{#}$ $\boxed{#}$ $\boxed{*}$ to clear the handheld command line.

Checkout is complete.

To preserve battery life of the cordless handset, press the OFF button to turn it off when you are not actively using it, and be sure to place it in the base station to recharge at breaks and at the end of each day.

When the PHONE button on the handset is pressed to turn it on, the PHONE light will blink several times. Do not press any keys until it stops blinking, indicating that the unit is ready to send. This will take about 1 second.

The cordless phone has its own instruction sheet which you should read to familiarize yourself with its features, including speed dialing and wireless communication channel switching.

The phone's rechargeable batteries will wear out eventually. Replacement batteries are available at Staples and other fine office supply stores. Old batteries must be disposed of properly, preferably by recycling.

The FocusPhone unit should work with most good quality cordless phones, should you prefer to use a different phone. Remember that FocusPhone cannot be plugged into a phone line, but only directly into a phone base station.

TUTORIAL

You have seen a bit of the FocusPhone language during the checkout, but are probably eager to learn more. This tutorial will introduce you to all of the FocusPhone features.

Sixteeen LP90 commands are built into the FocusPhone, and many more can be accessed through LP90 macros. The FocusPhone "language" squeezes a lot of functions out of a Touch-Tone keypad. The button sequences are designed to be as mnemonic and logical as possible, but as with any new language, you may need a bit of practice to achieve proficiency. While you are reading this tutorial use any handy phone to actually punch out the button sequences. By the time you are done your fingers will have already begun to learn the language.

Setting Levels

The ⊛ key serves as both AT and ENTER.

Set channel 25 at 75: ⟦2⟧ ⟦5⟧ ⟦∗⟧ (at) ⟦7⟧ ⟦5⟧ ⟦∗⟧ (enter)

Set channel 55 at 80: ⟦5⟧ ⟦5⟧ ⟦∗⟧ (at) ⟦8⟧ ⟦∗⟧ (enter)

At 08%: ⟦∗⟧ (at) ⟦0⟧ ⟦8⟧ ⟦∗⟧ (enter)

At zero: ⟦∗⟧ (at) ⟦0⟧ ⟦∗⟧ (enter)

The ⊛ key also serves as FULL. This may sound confusing, but is actually very convenient since AT FULL ENTER is simply ⟦∗⟧ ⟦∗⟧ ⟦∗⟧.

Set channel 135 at full: ⟦1⟧ ⟦3⟧ ⟦5⟧ ⟦∗⟧ (at) ⟦∗⟧ (full) ⟦∗⟧ (enter)

Set channel 20 at full: ⟦2⟧ ⟦0⟧ ⟦∗⟧ (at) ⟦∗⟧ (full) ⟦∗⟧ (enter)

Set it at zero: ⟦∗⟧ (at) ⟦0⟧ ⟦∗⟧ (enter)

Set it back to full: ⟦∗⟧ (at) ⟦∗⟧ (full) ⟦∗⟧ (enter)

Clearing

We should take a moment to talk about mistakes. There is no CLEAR key, however you can erase the entire command line with this sequence: ⟦#⟧ ⟦#⟧ ⟦#⟧ ⟦∗⟧. FocusPhone will clear everything on the command line when you press the final ⟦∗⟧. Memorize this button sequence, and use it whenever you suspect that a mistake may have locked up the LP90 with a command error.

Multiple Channels

AND	#
THRU	# #

The # key is used for AND.

Set channels 1 and 5 at 35:   1   # (and)   5   ✳ (at)   3 5   ✳ (enter)

Set 2 and 25 and 45 at 20:   2   # (and)   2 5   # (and)   4 5   ✳ (at)   2   ✳ (enter)

For THRU press # # .

Set 1 thru 5 at 60:   1   # # (thru)   5   ✳ (at)   6   ✳ (enter)

Set 25 thru 35 at 85:   2 5   # # (thru)   3 5   ✳ (at)   8 5   ✳ (enter)

Set 2 and 15 thru 20 at 75:   2   # (and)   1 5   # # (thru)   2 0   ✳ (at)   7 5   ✳ (enter)

Set 1 thru 10 at full: 1   # # (thru)   1 0   ✳ (at)   ✳ (full)   ✳ (enter)

This concludes all of the basic level setting commands: AND, THRU, AT, FULL and ENTER. The FocusPhone can do much more, as you will see shortly, but these are the only commands you need to know to set any channels at any levels.

We will now move on to REMAINDER DIM and using GROUPs.

More Level Setting

REM DIM `#`
GROUP `0`

The `#` key is also used for REM DIM.

Set 5 at 80: `5` `*` (at) `8` `*` (enter)

Set 5 at 80, rem dim: `5` `*` (at) `8` `#` (remdim) `*` (enter)

Set 6 at full, rem dim: `6` `*` (at) `*` (full) `#` (remdim) `*` (enter)

Since channel numbers never start with a zero, FocusPhone reuses the `0` key for GROUP.

Set group 1 at 50: `0` (group) `1` `*` (at) `5` `*` (enter)

Group 2 and group 3 at full: `0` (group) `2` `#` (and) `0` (group) `3` `*` (at) `*` (full) `*` (enter)

Group 2 and channel 3 at full: `0` (group) `2` `#` (and) `3` `*` (at) `*` (full) `*` (enter)

Group 3 at full, rem dim: `0` (group) `3` `*` (at) `*` (full) `#` (remdim) `*` (enter)

GO TO CUE	[0] [0]
DECIMAL POINT	[#]
GO	[0] [0] [#]
STOP/BACK	[0] [0] [*]

[0] [0] at the start of a command means GO TO CUE. (Think "gO tO.")

Go to cue 1:   [0] [0] (go to q)   [1]   [*] (enter)

Go to cue 25:   [0] [0] (go to q)   [2] [5]   [*] (enter)

Go to cue 185:   [0] [0] (go to q)   [1] [8] [5]   [*] (enter)

Go to cue zero: [0] [0] (go to q))   [0]   [*] (enter)

Press [#] for DECIMAL POINT:

Go to cue 13.5:   [0] [0] (go to q)   [1] [3]   [#] (point)   [5]   [*] (enter)

Go to cue 0.1:   [0] [0] (go to q)   [0]   [#] (point)   [1]   [*] (enter)

You can also just press the GO and STOP/BACK buttons from the FocusPhone:

     [0] [0]   [#] (go)

     [0] [0]   [*] (back)

Dimmers

<div style="text-align:center">

DIMMER   `#` `3`

RETURN   `#`

</div>

FocusPhone allows direct access to dimmers. Press `#` `3` (letter D for "dimmer" is on key 3) for the DIMMER command, to set dimmers directly.

Set dimmer 1 at 80:   `#` `3` (dimmer) `1` `*` (at) `8` `*` (enter)

Set dimmer 2 thru 5 at full: `#` `3` (dimmer) `2` `#` `#` (thru) `5` `*` (at) `*` (full) `*` (enter)

Set dimmer 10 at zero: `#` `3` (dimmer) `1` `0` `*` (at) `0` `*` (enter)

To repatch dimmers press `#` for RETURN.

Repatch dimmer 5:   `#` `3` (dimmer) `5` `#` (return) `*` (enter)

Repatch dimmers 1 thru 12: `#` `3` (dimmer) `1` `#` `#` (thru) `1` `2` `#` (return) `*` (enter)

Repatch all dimmers: `#` `3` (dimmer) `#` (return) `*` (enter)

Note that you cannot RETURN a channel from an LP90 remote, or from the FocusPhone.

Dimmer Check

NEXT	# 6	or	6
LAST	# 5	or	5
exit	0		

FocusPhone includes a Next/Last mode which can can help you run a checkout. Begin by setting the first dimmer or channel in the usual fashion. We'll set channel 10 at full. 1 0 ∗ (at) ∗ (full) ∗ (enter)

Then press # 6 for <u>N</u>EXT (letter N is on key 6) or # 5 for <u>L</u>AST (letter L is on key 5.)

FocusPhone is now in Next/Last mode. When you are in the Next/Last mode you can continue to press 6 for NEXT, or 5 for LAST to step through channels; you don't need to press the # key every time.

Press ∗ for AT to enter a new level. After the level is set, press # 6 again for NEXT, or # 5 for LAST.

Press 0 to exit the Next/Last mode.

Macros

MACRO	$\boxed{\#}$ $\boxed{\#}$ $\boxed{\#}$
LIVE	$\boxed{\#}$ $\boxed{1}$

FocusPhone macros are availbale only with LP90 version 2.0 or higher software. To execute a macro, press $\boxed{\#}$ $\boxed{\#}$ $\boxed{\#}$ for MACRO.

Macro 5: $\boxed{\#}$ $\boxed{\#}$ $\boxed{\#}$ (macro) $\boxed{5}$ $\boxed{*}$ (enter)

Macro 25: $\boxed{\#}$ $\boxed{\#}$ $\boxed{\#}$ (macro) $\boxed{2}$ $\boxed{5}$ $\boxed{*}$ (enter)

There are no direct macro keys, so use the MACRO [number] ENTER command for all macros.

Note:

Macros can cause trouble. They might confuse FocusPhone because it doesn't know what keys are in the macro, and therefore which command is intended if you next press a multipurpose $\boxed{*}$, $\boxed{\#}$ or $\boxed{0}$ key. If your macro entered a list of channels, then you might next press $\boxed{*}$ for AT. But if your macro also set the level, then you might next press $\boxed{*}$ meaning ENTER. Since the macro is stored in the console, FocusPhone does not know what's in it, and therefore cannot guess whether to send AT or ENTER when you press $\boxed{*}$.

For clarity and consistency **FocusPhone will always assume that the macro completed a command**. FocusPhone assumes that the console is ready for the next command, rather than waiting in the middle of a command. After a macro is run, the next $\boxed{*}$ will mean AT and the next $\boxed{0}$ will mean GROUP.

Macros can be very powerful when used carefully, but downright dangerous when used in the wrong context. They can be even trickier when neither you nor the FocusPhone can see the command line. Keep this in mind when writing macros which will be used from the FocusPhone. Don't get too fancy, and remember that the FocusPhone will assume that the macro left a completed command line.

Should a macro leave you in a display other than the Live display, the FocusPhone command $\boxed{\#}$ $\boxed{1}$ will always return the console to the Live display.

Summary

You now know how to access over a dozen common LP90 commands from a cordless phone. You can call up any list of channels and groups, set levels, run cues, access dimmers, and more. And since the LP90 can play virtually any key sequence from a macro, you can effectively do anything from the FocusPhone. Yes, including phoning in the show.

It seems like a lot to remember, but as you use the FocusPhone the key combinations will become automatic and you will find that using it is as fast as using a wired remote or even the main console. The following charts will help you remember what's what.

Alphabetical Command Reference

```
AND_____ #
AT_____ *
CLEAR ALL___ # # # *
DIMMER_____ # 3
ENTER_____ *
FULL_____ *
GO_____ 0 0 #
GO TO Q_____ 0 0
GROUP_____ 0
LAST_____ # 5
LIVE_____ # 1
MACRO_____ # # #
NEXT_____ # 6
POINT_____ #
REM DIM_____ #
RETURN_____ #      (dimmers only)
STOP/BACK___ 0 0 *
THRU_____ # #
```

Command Group Reference

Levels	* AT	0 GROUP	# AND
	* FULL		# # THRU
	* ENTER		# REMDIM

Cues		0 0 GO TO Q	# POINT
		0 0 # GO	
		0 0 * STOP/BACK	

Dimmers			# 3 DIMMER
			# RETURN

Checkout	5 LAST		# 5 LAST
	6 NEXT	0 Exit	# 6 NEXT

Other			# # # MACRO
			# 1 LIVE
			# # # * CLEAR CMD