FocusPhone™ Jr
User Guide

for

ETC Expression™ 2x/3
Insight 2x/3
Express 24/48, 48/96, 72/144, 125, 250
Emphasis

7/23/03

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INTRODUCTION

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

This booklet will guide you though the setup and checkout of the FocusPhone Jr. The tutorial section will teach you everything you need to know to use the FocusPhone Jr. With a little practice you will find it as easy to use as a wired remote control, and far more convenient.

Enjoy!

SETUP

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

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

Note: Always turn off the FocusPhone Jr before 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. The handset should start beeping.	Check base station power. Check handset battery.
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 Jr unit's green power light is on.	Check that the FocusPhone Jr power switch is on. Check that console is on. If using an RFU extension, it may be faulty; try plugging FocusPhone Jr directly to the console.
4-	Put the console into STAGE display.	
5-	Press ☐1 on the cordless handset. Channel 001 should be selected	See step 2
6-	Press ☐✳ on the handset. The console AT button light should go on.	See step 2
7-	Press ☐0 ☐5 on the handset. Channel 1 should be at 05% on the console display.	See step 2
8-	The yellow LED on the FocusPhone Jr unit should flash once for each key tone received. Confirm this by watching the LED while you press each number key and ☐✳ and ☐# on the handset.	See step 2
9-	On the handset, press ☐# ☐# ☐# ☐✳ to clear the channel selection.	

Checkout is complete.

TIPS

To preserve battery life of the cordless handset, 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.

The cordless phone has its own instruction sheet which you should read to familiarize yourself with its features.

The rechargeable batteries will wear out eventually. Replacement batteries are available at office supply stores. Old batteries must be disposed of properly, preferably by recycling.

The FocusPhone Jr 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.

CAUTIONS

DMX is an "open loop" control system; a one-way conversation between the console and the controlled equipment. Potentially dangerous devices such as pyrotechnics and motorized scenic effects should never be entrusted to DMX control.

Any time that lights can be turned on out of sight of the operator there is a danger of fire or other damage. When hanging lights, be sure that they are oriented so that they cannot ignite fabrics or other flammable materials if the lights are turned on before they are focussed. Never hang moving-yoke fixtures near flammable goods without using Zetex or other heat insulating material. If a FocusPhone command does not turn on the expected light, use RELEASE or CLEAR ALL to ensure that no damage is being done by an unseen fixture.

TUTORIAL

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

More than a dozen commands are built into the FocusPhone Jr. They are accessed using ⧆ and ⌗ and the ten number buttons. The commands 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 AT.

Set channel 25 at 75:   ② ⑤   ⧆ (at)   ⑦ ⑤

Set channel 55 at 80:   ⑤ ⑤   ⧆ (at)   ⑧ ⓪

At 08%:   ⧆ (at)   ⓪ ⑧

At zero: ⧆ (at)   ⓪ ⓪

The ⧆ key also serves as FULL, **but must always be preceded by AT**.

Set channel 135 at full: ① ③ ⑤   ⧆ (at)   ⧆ (full)

Set channel 20 at full: ② ⓪   ⧆ (at)   ⧆ (full)

Set it at zero: ⧆ (at)   ⓪ ⓪

Set it back to full: ⧆ (at)   ⧆ (full)

Press ⧆ ⌗ for RELEASE.

Set 5 at 80:   ⑤   ⧆ (at)   ⑧ ⓪

Set 7 at 90:   ⑦   ⧆ (at)   ⑨ ⓪

Release 7   ⧆ ⌗ (release)

Release all others   ⧆ ⌗ (release)

Multiple Channels

AND	#️
THRU	#️ #️

The #️ key is used for AND.

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

Set 2 and 25 and 45 at 20:   2️ #️ (and) 2️ 5️ #️ (and) 4️ 5️ ✳️ (at) 2️ 0️

For THRU press #️ #️ .

Set 1 thru 5 at 60:   1️ #️ #️ (thru) 5️ ✳️ (at) 6️ 0️

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

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

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

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Life Savers

CLEAR ALL	#️⃣ #️⃣ #️⃣ ✳️
STAGE	#️⃣ 1️⃣

To completely CLEAR a command in progress and return to CHAN mode, use the sequence #️⃣ #️⃣ #️⃣ ✳️ .

When you press the final ✳️ key FocusPhone Jr sends this sequence to the console:

CLEAR   RELEASE   RELEASE   CHAN

Use the CLEAR ALL command whenever you suspect that a mistake may have locked up the console with a command error.

Should you realize that the console has been left in a display mode other than STAGE you can return to the stage display with the command #️⃣ 1️⃣ . All FocusPhone Jr commands are intended for use in STAGE display only.

Dimmer Check

DIMMER	[#]	[3]
ENTER	[#]	
-	[8]	
+	[9]	
CLEAR	[0]	

FocusPhone provides access to the DIM, ENTER, + and - keys to run a dimmer check. Letter D for "dimmer" is on the 3 key, so the dimmer command is . [#] [3] .

Set dimmer 1 at 50: [#] [3] (dimmer) [1] [*] (at) [5] [0]

At the console you could now unpatch the dimmer (enter key), and then step to the next (+) or previous (-) dimmer. FocusPhone Jr provides the same functions.

To unpatch the dimmer, press [#] for ENTER.

Press [8] (-) or [9] (+) to step through dimmers.

Press [0] to clear dimmer check mode.

Set dimmer 1 at 50 enter	[#] [3] (dimmer) [1] [*] (at) [5] [0] [#] (enter)
step to dimmer 2	[9] (+)
step to dimmer 3	[9] (+)
step back to dimmer 2	[8] (-)
change level to Full	[*] (at) [*] (full)
step to dimmer 3	[9] (+)
exit	[0] (clear)

Channel Check

next	# 6	or	6	
last	# 5	or	5	
exit	0			

FocusPhone Jr can also help you run a channel check.

Set a channel at a level in the usual fashion.

10 AT FULL 　　　　　　1 0 　 ✳ (at) 　 ✳ (full)

Then press # 6 for next (letter N for next is on key 6) or # 5 for last (letter L for last is on key 5.) FocusPhone will set the current channel at zero, select the next (or last) channel, and set it at full.

next 　　　　　　　　 # 6 　　　　　　channel 10 at 00, channel 11 at full

When you are in the channel check 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.

next 　　　　　　　　 6 　　　　　　channel 11 at 00, channel 12 at full

last 　　　　　　　　 5 　　　　　　channel 12 at 00, channel 11 at full

Press ✳ for AT to enter a new level. After the level is set, press # 6 again for next, or # 5 for last.

AT 50 　　　　　　　 ✳ (at) 5 0 　　　channel 11 at 50

next 　　　　　　　　 # 6 　　　　　　channel 11 at 00, channel 12 at 50

next 　　　　　　　　 6 　　　　　　channel 12 at 00, channel 13 at 50

last 　　　　　　　　 5 　　　　　　channel 13 at 00, channel 12 at 50

Press 0 to exit the FocusPhone Jr channel check mode.

clear 　　　　　　　　 0 　　　　　　channel 12 at 00

Command Reference

AND	#̲
THRU	#̲ #̲
AT	*̲
AT FULL	*̲ *̲
RELEASE	*̲ #̲
CLEAR ALL	#̲ #̲ #̲ *̲
STAGE	#̲ 1̲
dimmer	#̲ 3̲
enter	#̲
+	9̲
-	8̲
clear	0̲

next channel	#̲ 6̲	then just	6̲
last channel	#̲ 5̲	then just	5̲
cancel channel check	0̲		