Custom External Keypad
For Instant Replay 3 and DigiCart 5

OPERATIONS MANUAL

Version 4-29-2025

Company Address & Shipping Information

Freight and mail may be sent to 360 Systems at the following address. **Please** call or email for a **Return Material Authorization (RMA) number** before shipping equipment or parts.

360 Systems
Customer Service
3281 Grande Vista Drive
Newbury Park, CA 91320 USA
RMA#< your number here >

Telephone (818) 991-0360, 8:00 AM to 5:00 PM, Pacific Time. Fax: (818) 991-1360
Email: support@360systems.com Visit our web site at www.360systems.com

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INTRODUCTION

The Custom Extended Keypad connects to an Instant Replay 3 or DigiCart 5 so that the first 20 Hot-Keys and basic transport functions are accessible from the keypad. Functions can be triggered from either the unit's panel or from the keypad independently.

UNIT SYSTEM REQUIREMENTS

- The keypad must be connected to a free USB port on either an Instant Replay 3 or DigiCart 5
- The Instant Replay 3 or DigiCart 5 must be running software version 2.071 or higher. Please contact support@360systems.com for instructions on updating the software.

Custom External Keypad Operations Manual

SECTION 1 – Installation and Controls

INSTALLATION

To install the Custom External Keypad, simply plug the USB cable into a free USB port on the unit.

BASIC CONTROLS

When operational, the keypad should default to "Layer 1" providing basic transport functions and Hot-Keys 1 to 10.

Keys:

1. LAYER 1/2 – Switches between Hot-Keys 1 to 10 (Layer 1, Blue) and Hot-Keys 2 to 20 (Layer 2, Red)

2. Number Keys – Activate the associated Hot-Key depending on the current Layer.

3. PLAY – Plays the currently loaded clip.

4. STOP – Stops the currently playing clip.

5. REC – Initiates the cueing of a recording.

6. CANCEL – Cancels out of certain functions.

7. PREVIEW – Mutes the main outputs so that audio only is heard in the headphones.

8. LOOP – Loops the current clip.

9. PAUSE – Pauses the currently playing clip. Press PLAY or PAUSE to continue playout.

10. REW – Reverses position within the currently playing clip. No audio is produced.

11. FF –Advances position within the currently playing clip. No audio is produced.

APPENDIX A – Specifications

Switch Types	Full-travel rubber dome, carbon on gold contacts, guaranteed for over 1 million operations
Number of Keys	24 single keys + programming button
Actuation Force	Approx. 2.5 oz (72g) break-over, approx. 1.5 oz (42g) hold
Keycaps	0.625" (16mm) sq.; re-legendable with Cherry MX compatible stem
Key Spacing	0.75" O.C.
Optional Keys	2X1, 1X2, 2X2
Backlighting	24 blue and 24 red LEDs, individually addressable
Connector	Wired USB standard "A" plug
Cord Length	118" (3m)
Dimensions	5.8" x 3.8" x 0.94" (147mm x 97mm x 24mm)
Net Weight	10 oz. (285 g)
Programming Software	See PI Engineering website for current MacroWorks programming software

APPENDIX B – X-Keys Keycode Assignments

1. Below are the keycode assignments that are used when programming an X-Keys™ keypad for use with an Instant Replay 3 or DigiCart 5 system.

2. Instructions for programming and support of the X-Keys™ keypads is provided by P.I. Engineering™. Please refer to their website for more information. 360 Systems is unable to support programming procedures.

360 Systems Key	X-Keys Code	360 Systems Key	X-Keys Code
The below assumes that NumLock is ON		The below assumes that NumLock is OFF	
Hot Key 1	#1↓#1↑	Hot Key 11	#1↓#1↑
Hot Key 2	#2↓#2↑	Hot Key 12	#2↓#2↑
Hot Key 3	#3↓#3↑	Hot Key 13	#3↓#3↑
Hot Key 4	#4↓#4↑	Hot Key 14	#4↓#4↑
Hot Key 5	#5↓#5↑	Hot Key 15	#5↓#5↑
Hot Key 6	#6↓#6↑	Hot Key 16	#6↓#6↑
Hot Key 7	#7↓#7↑	Hot Key 17	#7↓#7↑
Hot Key 8	#8↓#8↑	Hot Key 18	#8↓#8↑
Hot Key 9	#9↓#9↑	Hot Key 19	#9↓#9↑
Hot Key 10	#Decimal↓#Decimal↑	Hot Key 20	#Decimal↓#Decimal↑
Layer Key (switches between Layer 1 and Layer 2)	NumLock↓NumLock↑		
Play	#0↓#0↑		
Stop	#Enter↓#Enter↑		
Record	+↓+↑		
Pause	-↓-↑		
Fast Forward	#/↓#/↑		
Fast Reverse	*↓*↑		
Preview	=↓=↑		
Loop	\↓\↑		
Cancel	Escape↓Escape↑		

For information on reprogramming or customizing this keypad, please refer to the X-Keys keycode assignments document on the 360 Systems website.