Slow Motion Playback Control Panel

RM-LP450G

User Manual



Slow Motion Playback Control Panel	1
Product and Service Disclaimer	2
Product Warranty Guidelines	5
1. Product Introduction	7
2. Package	7
3. Instructions for Use	
4. Instructions for the Buttons	14
1) Power Button	14
2) Recording	15
3) Video Control	16
4) Hot Key	16
5) Event Control Area	16
6) Camera	17
7) T-Bar	17
8) Speed	
9) Mark	19
10) Precise Playback Search Knob	20
11) Event ID Control Operation	20
5. Interface Description	23

Contents

Foreword:

Thank you for choosing our products!

Before you use this product for the first time, please be sure to read this instruction manual and the relevant documents supplied with the product carefully, and use, install, and maintain it according to the instruction manual.

We have strictly and carefully collated and checked this manual, but we cannot guarantee that the manual is completely free of any errors and omissions in the text description.

The pictures in this manual are for reference only. If any pictures do not match the product, please focus on the actual product. We reserve the right to improve/modify the manual and products at any time. We will not notify you in advance for the adjustments.

Please be sure to keep the product manual and warranty card properly. For any direct, indirect, intentional, unintentional, and other losses caused by improper installation or use, our company shall not be liable to the maximum extent permitted by law.

The content of this manual is protected by legal copyright and may not be reproduced and disseminated in any form without written permission.

Product and Service Disclaimer

The information provided in this manual is for guidance only. Our company strives to provide correct, complete and appropriate information all the time. However, our company cannot rule out that some information in this manual may be incorrect or incomplete, and this manual may contain typos, information omissions or incorrect information. We recommend that you double confirm the accuracy of the information in this file. Our company is not responsible for any omission or error, or any loss or damage caused by the information provided in this manual. For further information about this manual or products, please contact our sales person or local distributor.

Installation Precautions

1. Please read this manual carefully before using the product, and



please keep this manual properly.

2. Please follow the warning signs and instructions marked on the product.

3. Before cleaning the machine, please disconnect the power first. Do not use liquid or corrosive cleaners, just use a general damp cloth to clean.

4. Do not use this product near water.

5. Do not put the product on an unstable place, such as a trolley, stand, etc., to avoid serious damage to the product due to falling.

6. The openings on the shell, back and bottom of this product are for heat dissipation. Please do not cover or block these openings to avoid overheating of the machine. Avoid placing the product on beds, sofas, blankets, etc. with similar surfaces, so as not to block the openings. Do not place this product near fire, radiators or heat vents. Do not place this product in an enclosed space unless there is proper ventilation.

7. For the power supply used by this product, please follow the label on the power converter.

8. Avoid putting anything on the power line of this product, and avoid putting this product on other power lines.

9. When using an extension cord, please confirm that the total electricity used/total amperage must not exceed the total amperage of the extension cord.

10. The total power used when plugged into a wall outlet must not exceed the limit of 15 amps.11. Do not insert anything into the opening of the body to avoid electric shock or short-circuit fire; do not splash any liquid on the product.

12. Do not disassemble and repair the product without authorization. Unauthorized opening or

removal of covers marked "DO NOT MOVE" will expose you to voltage or other hazards. Please consult service personnel for all service matters.

13. If the following situations occur, please unplug the product and consult with qualified dealers or service personnel:

a. The power cord or plug is damaged or frayed.

b. Liquid has seeped into the product.

c. If the product has been exposed to rain or water.

d. If you have followed the operating rules of this manual, but it still cannot be used normally.

Only adjust the settings that can be adjusted mentioned in this manual, because improper

adjustment may cause damage to the product, and it will take a longer time for qualified

technicians to repair and restore it to its original state.

e. If the product has been dropped or the body has been damaged.

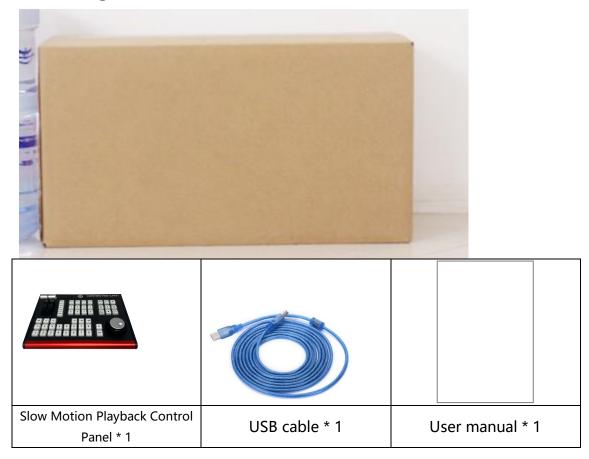
f. If the performance of this product changes abnormally, please contact the dealer.

Product Warranty Guidelines

- > The product has a one-year warranty against production defects from the date of purchase.
- Any maintenance within the warranty period must provide the original purchase invoice or other relevant documents.
- > The warranty period of the product starts from the date of purchase.
- > Damage caused by computer system viruses and malware is not covered by the warranty.
- Damage caused by unauthorized installation of third-party software on the computer is not covered by the warranty.
- > All documents or shipping costs including insurance are borne by the buyer.
- > Claims of any other nature are not covered by the warranty.
- All accessories including earphones, cables, batteries, metal parts, casings, cable reels and wearing parts are not covered by the warranty.
- > The warranty is only valid in the country or region where the product was purchased.
- > This product warranty policy does not affect your statutory rights.

1. Product Introduction

The slow motion playback control panel is an external director control switcher designed for our company's vMix system and virtual studio system. It has a fully modern appearance and MIDI communication protocol interface. All buttons can be customized according to user needs, which can greatly speed up the workflow of playback control in live streaming. The panel adopts high-quality curved buttons, which can reduce the chance of misoperation. Buttons are backlit to help you quickly identify important keystrokes. In addition, it is also equipped with a quick search dial and a T-shaped speed control fader.



2. Package

3. Instructions for Use

1). Connect the panel to a computer installed with vMix via a USB cable, press the power button, and you can see the buttons appear pink and light green, as shown in the figure below.



After about 3 seconds, the button color will changes to white. As shown below.



2). Open vMix software and click the Settings button in the upper right corner.

Click the Shortcut key \rightarrow Template \rightarrow Import \rightarrow Find the downloaded config file template (TY_Reply 580.vMixShortcutTemplate). import the file into vMix software.

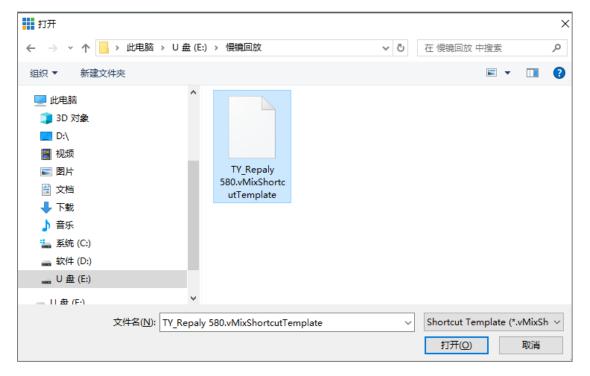
Choose Shortcut key, click Template

Settings					•
显示	所有 键盘	下午 表面	班车PRO	操纵杆	找
输出/ A	Key	Function	Duration	Input	*
选项	☑ A1 (13:44)	ReplayACamera1			
性能	✓ A2 (13:45) ✓ A3 (13:46)	ReplayACamera2 ReplayACamera3			E
	📝 A4 (13:47)	ReplayACamera4			
解码器	☑ B1 (13:48)	ReplayBCamera1			
	☑ B2 (13:49)	ReplayBCamera2			
录音	B3 (13:50)	ReplayBCamera3			▲
外部输出	☑ B4 (13:51) ☑ Playsec (13:68)	ReplayBCamera4 ReplayPlaySelectedEvent			
	✓ Flaysec (13:55) ✓ Play outpu (13:69)	ReplayPlaySelectedEvent			
音频	▼ 11ay 64(pt (15:05) ▼ T-BAR (13:14)	ReplaySetSpeed			
	V Speed-25% (13:35)	ReplaySetSpeed			
音频输出	V Speed-50% (13:36)	ReplaySetSpeed			
网络拉拉斯	V Speed-75% (13:37)	ReplaySetSpeed			
网络控制器	V Speed-100% (13:38)	ReplaySetSpeed			
理货灯	V IN (13:39)	ReplayMarkIn			
2000 A	🔽 Out (13:40)	Replay#arkOut			
快捷键	📝 Mark 5s (13:41)	Replay#arkInOut			
	🔽 Mark 10s (13:42)	ReplayMarkInOut			
激活剂	Mark 20s (13:43)	ReplayMarkInOut			
	REC (13:32)	ReplayStartRecording			
脚本	RRC Stop (13.75)	RonlowStonResording			
关于	添加编辑	克隆 删除		MIDI设置	模板
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Click Import

Shortcut Templates							- • •
Current	显示为	X-keys / MIDI N	ote	•			
Audio AKAI APC 40 M K 2							
Audio LaunchControML							
Default Keyboard	0 8	16 24	32 REC 40 Out	48 B1 56 MoveEv	ve First 72 80	88 96	104 112 129
PTZ Joystick - XBOX Controller	1 9	17 25	33 PlayPaus Mari	k 5s B2 57 Sec Ev	en Last 73 er	89 97	105 113 121
PTZ Joystick PressureSensitive	2 10	18 26	34 PlayPaus Mark		en PreEvent	90 98	106 114 122
Replay JLCooper ES SloMo	3 11 4 12	19 27 20 28	35 Speed-25 Mark		en NextEver REC Stop Playsec 84	92 100	107 115 123 108 116 124
Replay ShuttlePROv2	5 13	21 29	37 Speed-75 A2		Play outpu es	93 101	109 117 125
ReplayX-keysXKE-64	6 14	22 30	30 Speed- 100% A3	54 CopyEvent3 7	70 78 86	94 102	110 118 126
X-keys Video Switcher Kit	7 15	23 31	39 IN 47 A4	55 CopyEvent4 7	ri 79 87	95 103	111 119 127
	[REC] Replay5t: [PlayPause] Rej [Speed-25%] Re [Speed-25%] Re [Speed-55%] Re [Speed-10%] R [IN] ReplayMar [MI] ReplayMar [Mark 5s] Replay [Mark 10s] Replay [Mark 20s] Repl	olayPlayPause olayChangeDirection olaySetSpeed olaySetSpeed olaySetSpeed olaySetSpeed olaySetSpeed olaySetSpeed in kOut wMarkInOut ayMarkInOut	[A4] ReplayACa [B1] ReplayBCa [B2] ReplayBCa [B3] ReplayBCa [B4] ReplayBCa [Sec Event1] R [MoveEvent1]] [CopyEvent1] I	amera2 amera3 amera4 amera1 amera2 amera3	[Sec Event2] Replay [CopyEvent3] Replay [MoveEvent3] Replay [CopyEvent3] Replay [Sec Event4] Replay [MoveEvent4] Replay [MoveEvent5] Replay [MoveEvent5] Replay [MoveEvent5] Replay [MoveEvent5] Replay [MoveEvent5] Replay	yCopySelectedEv [S4 SelectEvents3 [C yyMoveSelectedE [M yCopySelectedEv [S4 SelectEvents4 [C yyMoveSelectedEv [S4 yCopySelectedEv [Fi SelectEvents5 [La yyMoveSelectedE [P]	opyEvent6] ReplayCopySelectedEy cEvent6] ReplayCopySelectedEy oveEvent7] ReplayCopySelectedEy coveEvent7] ReplayGopySelectedEy cEvent7] ReplaySelectedEvent87 opyEvent8] ReplaySelectedEvent87 coveEvent8] ReplaySelectedEvent87 refl ReplaySelectEvent8 refl ReplaySelectEvent8 refl ReplaySelectEvent8 refl ReplaySelectEvent8 refl ReplaySelectFirstEvent reEvent1 ReplaySelectPreviousEve extEvent1 ReplaySelectNextEvent
	进口		出口	保存图形		申请	关闭

Choose "TY_Repaly 580.vMixShortcutTemplate" config file



After opening, you can see that the template has been imported into the

Current	显示为	X-keys / MIDI	Note	•							
Audio AKAI APC 40 M K 2											
Audio LaunchControKL											
Default Keyboard	• •	16 24	32 REC 49 Out	48 B1	56 MoveE	ve First 72	80	88	96 1	04 112	120
PTZ Joystick - XBOX Controller	1 9	17 25	33 PlayPaus Mari			en Last 73	81	89		05 113	121
PTZ Joystick PressureSensitive	2 10	18 26	34 PlayPaus Mark	(10s B3	58 Sec Ev	en PreEvent	82	90	98 1	96 114	122
ReplayJLCooperES SloMo	3 11	19 27	35 Speed-25 Mark			en NextEver RE		91		07 115	123
Replay ShuttlePROv2	4 12	20 28	36 Speed-50 A1 37 Speed-75 A2	52 CopyE		e Playsec	84	92		08 116	124
ReplayX-keysXKE-64	5 13 6 14	21 29 22 30	37 Speed-75 A2 38 Speed- 100% A3	53 Copyr	_	Play outpu	85 86	93 94		09 117 10 118	125
K-keys Video Switcher Kit	7 15	23 31	39 IN 47 A4	55 CopyE		71 79	87	95	103 1	11 119	127
TYST-VMIX380	[PlayPause] [PlayPause] [Speed-25%] [Speed-50%] [Speed-75%] [N] Replay [Mark 5s] Re [Mark 10s] R		 [A1] ReplayACi [A2] ReplayACi [A3] ReplayACi [A4] ReplayACi [B4] ReplayACi [B2] ReplayBCi [B3] ReplayBCi [B4] ReplayBCi [B4] ReplayBCi [Sec Event1] R [MoveEvent1] [MoveEvent2] 	amera2 amera3 amera4 amera1 amera2 amera3 amera4 eplaySelect ReplayCopy	SelectedE SelectedEv	[Sec Event2] [CopyEvent2] [Sec Event3] [MoveEvent3] [Sec Event4] [MoveEvent4] [CopyEvent4] [CopyEvent5] [Sec Event5] [MoveEvent5] [MoveEvent5]	ReplayCo ReplaySele ReplayMo ReplayCo ReplaySele ReplayMo ReplayCo ReplayCo ReplaySele ReplaySele	pySelected ctEvents3 vveSelected pySelected vveSelected pySelected pySelected ctEvents5 vveSelected	IEV [Sec Eve [CopyE] dE [MoveE] IEV [Sec Eve [CopyE] dE [MoveE] IEV [Sec Eve [Eve [First] R [Last] Re dE [PreEve	vent6] ReplayG ent6] ReplayG vent7] ReplayG vent7] ReplayG vent8] ReplayG vent8] ReplayG vent8] ReplaySe ent8] ReplaySelectFir playSelectFir playSelectFir playSelectFir ReplaySele ent] ReplaySel	electEvents copySelect doveSelect electEvents copySelect doveSelect electEvents stEvent stEvent ectPrevious
	进口		出口	保存	摺形			申	宵	ž	iii

template library, and then click Apply.

Next, import the prompt color template corresponding to the button. Open

vMix software and click the Settings button in the upper right corner.

Choose Activators→Import

显示	Event	Input	Туре	Message	^
14.1.	InputVolumeChan	Preview	Fader - Volume	ControlChange 12:7	E
输出/ A	InputPreview	1 极地 .mp4	Button LED - Default	Note 1:80	
选项	InputPreview	13 Input	Button LED - Default	Note 2:80	
透坝	InputPreview	2 Blank	Button LED - Default	Note 1:81	
性能	InputPreview	14 Input	Button LED - Default	Note 2:81	
11.05	InputPreview	3 Input	Button LED - Default	Note 1:82	
解码器	InputPreview	15 Input	Button LED - Default	Note 2:82	
1414 J 112	InputPreview	4 Input	Button LED - Default	Note 1:83	
录音	InputPreview	16 Input	Button LED - Default	Note 2:83	
	InputPreview	5 Input	Button LED - Default	Note 1:84	
外部输出	InputPreview	17 Input	Button LED - Default	Note 2:84	
	InputPreview	6 Input	Button LED - Default	Note 1:85	
音频	InputPreview	18 Input	Button LED - Default	Note 2:85	
	InputPreview	7 Input	Button LED - Default	Note 1:86	
音频输出	InputPreview	19 Input	Button LED - Default	Note 2:86	
网络拉海海门盟	InputPreview	8 Input	Button LED - Default	Note 1:87	
网络控制器	InputPreview	20 Input	Button LED - Default	Note 2:87	
理货灯	InputPreview	9 Input	Button LED - Default	Note 1:88	
连风灯	InputPreview	21 Input	Button LED - Default	Note 2:88	
快捷键	InputPreview	10 Input	Button LED - Default	Note 1:89	
NC JE RE	InputPreview	22 Input	Button LED - Default	Note 2:89	
谢活刻	InputPreview	11 Input	Button LED - Default	Note 1:90	*
脚本					
关于	ha	编辑 克隆	去掉 让设备	路	出口
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进口 出口 默认	📃 显示高级设置			ок	取消

Find the button prompt light template, import and confirm

The config file name is "TY_Repaiy 580.vMixActivators"

177			×
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After completing the above steps, please restart the vMix software, press the buttons on the panel, and you can see the corresponding button display, as shown in the figure below.



Note: If your computer system is Windows 10, and the vMix software version is the latest 22 version, after you complete the above operations, the panel can be used. But if the system is Windows 7 or Windows 8, or vMix software is not the latest 22 version. You need to restart the vMix software to use the panel.

4. Instructions for the Buttons



1) Power Button

Press the power button to turn on the panel.



Note: The following operations need to create real-time playback in vMix and

ensure there is at least one video signal source, then it is effective.

2) Recording

When the record button is pressed, the red light is on. And the
camera screen starts to be recorded. The number of recorded
screens is recorded according to the number of screens selected
when creating playback. And a maximum of 4 channels can be
recorded at the same time.

3) Video Control

Play button to play the playback video segment that has been
marked in the preview window.
Play forward or backward for the selected video playback
segment. It can be the playback video of the preview window
(PVW), or the video of the program window (PGM).

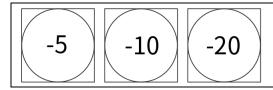
4) Hot Key

Quick replay mark selection hotkey, in the event, the highlights are fleeting.

Sometimes it is too late to select the in-point and out-point, so you can quickly

select the past 5 seconds, 10 seconds or 20 seconds for the missed highlights

playback video, as long as your REC button has been recording.



5) Event Control Area

For the video playback that has been created, the events created by the hotkeys

-5, -10, -20 or the MRK keys IN, OUT can be operated by the event play control

key.

First	Select the first playback video in the event.
	Select playback video up in the event.

Last	Select the last playback video in the event.
Play Select	Play the selected playback video in the preview window (PVW).
	Select playback video down in the event.
Play By ID	Play the selected playback video in the preview window (PGM).

6) Camera

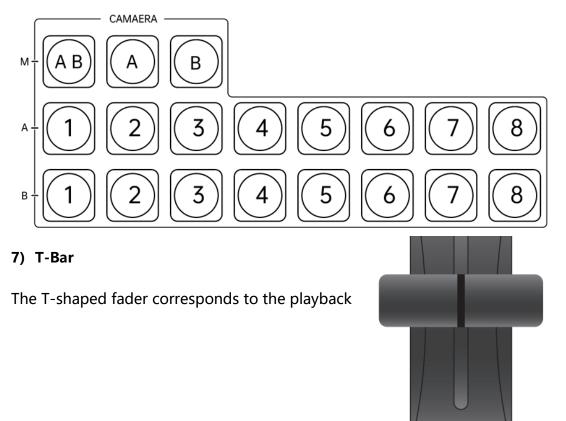
When performing playback preview (PVW) or program (PGM), you can use

CAMERA to select 1-8, the pictures of 8 camera positions. A corresponds to

program (PGM), and B corresponds to preview (PVW).

A | B key: A, B screen can be selected at the same time, and used in conjunction

with other keys for setting, A key or B key is single selection key.



video played in the EVENT. When the playback video is previewed or programed, the video playback speed can be controlled through the T-Bar, and the speed can be manually controlled from 0-100%.

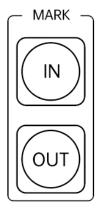
8) Speed

SPEED is the speed control button. We prefabricated 4 speed buttons, corresponding to 25%, 50%, 75% and 100%. 25% corresponds to 1/4 second, and 50% corresponds to 1/2 second. The rest can be done in the same manner When playing back the preview or program, select the corresponding speed key to control the speed of the playback video.



9) Mark

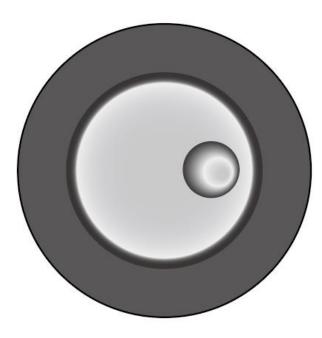
During playback, we can also quickly set the in-point and out-point for some special shots that can be predicted for more precise playback.



Example: In a basketball game, when the red team enters the blue team area to dribble, set the in-point IN. And when the red team scores, set the out-point OUT, so that the highlights can be replayed quickly and effectively. If the point time is too long, we don't want that long time, you can use the quick selection of the first 5 seconds of the video after the goal to play back, making the playback handy.

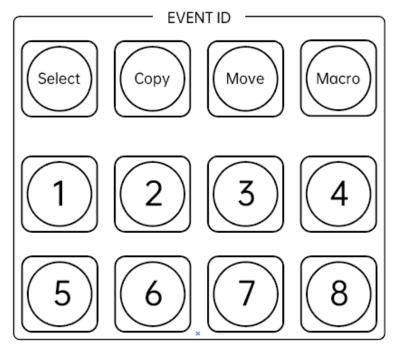
10) Precise Playback Search Knob

For sports events, there are often some wonderful shots or illegal shots that need to be played back or arbitrated. At this time, it is necessary to perform frame-level playback operations on the playback video. At this time, we can use the precise playback search knob to search and select. The inner disk rotates 1 scale, it is 10 frames. And 1 rotation for outer knob is 1 frame.



11) Event ID Control Operation

The slow-motion playback system provides 8 event folders, and the recorded playback video clips can be copied and moved to the desired event folder as required. In this way, it is convenient to play back and broadcast the particularly frequent shots during the break.



Select

Move

Сору

Macro: no definition yet

Steps: Use the ▲ ▼ or First, Last buttons in EVENT to select the video segment

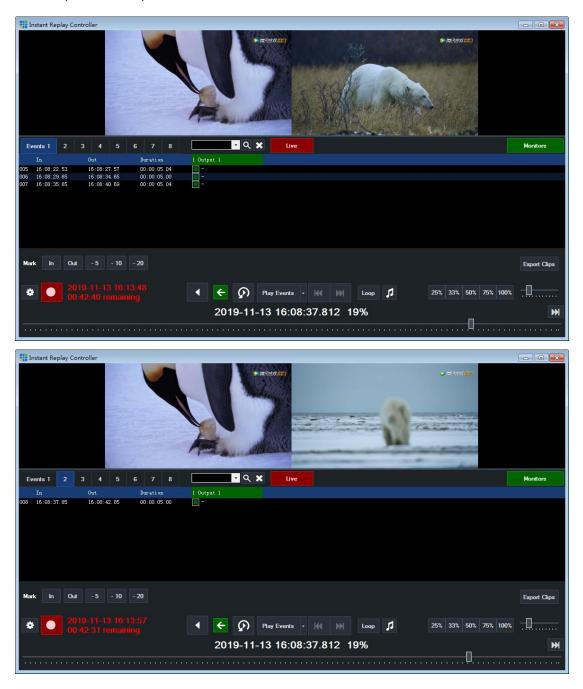
to be moved or copied, and then select the folder to be stored in.



Sample:

As shown in the picture above, you can see that there are 4 playback skews in the time, and we move the last video clip into the Event 2 folder.

Use the " \blacktriangle " or "First, Last" buttons to select the last video clip, and press the Select button first, then press the Move button, and finally press the "2" button to complete the operation.



5. Interface Description



V-COM/COM: it is used to upgrade the panel. It needs to be connected to the

USB port when upgrading the system.

USB: it is used when using the panel, and it is free of drive.