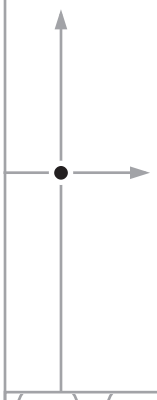
T2
INTELLIGENT DIGITAL DISK RECORDER

Quick Start Guide



17 September, 2009

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About this manual

- The screens used as examples in this manual are those of the development stage, so they may vary from those in the final product.
- If there are any variations between the explanation in this manual and the actual application method, priority is given to the actual application method.
- This manual is written for people who have a basic knowledge of how to use a computer. If there are no special instructions, perform the same operation as a normal computer operation.
- In this manual, the system of the T2 is called "Workstation".

T2
Quick Start Guide
September 17, 2009
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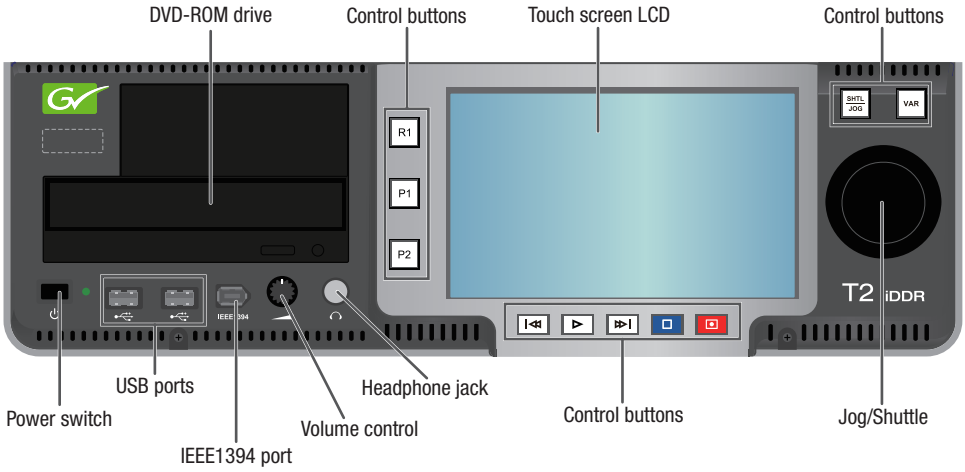
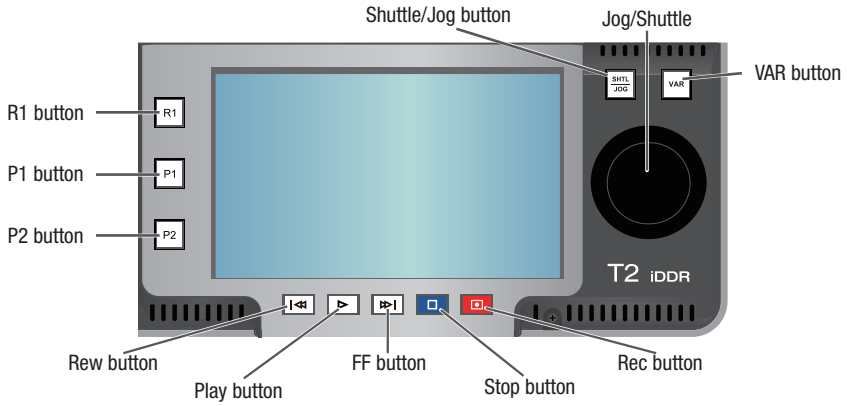
Part names and functions

Front panel



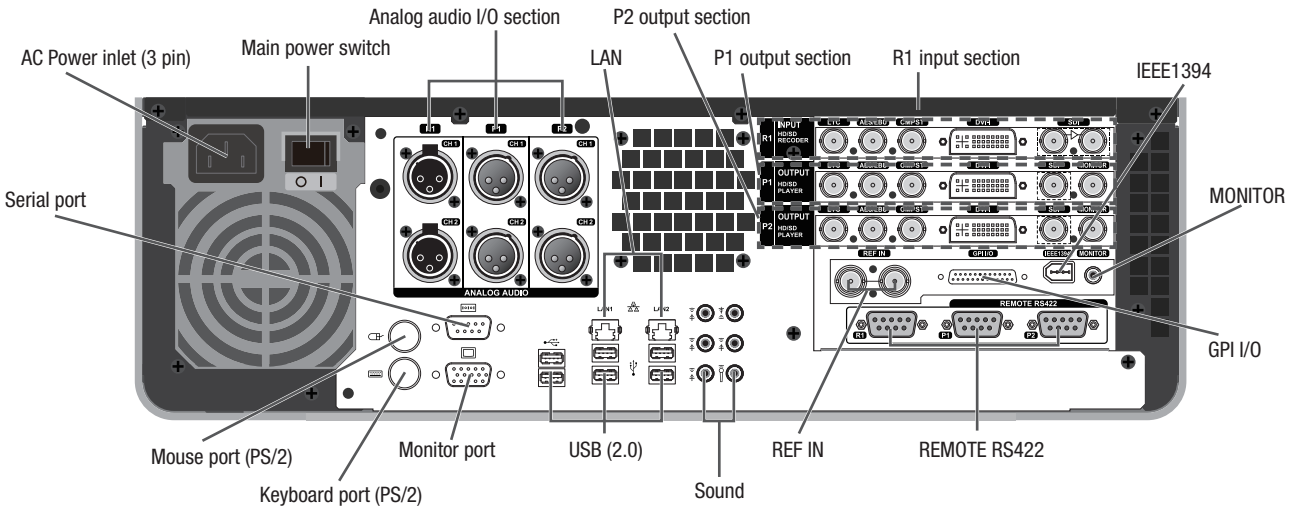
Touch screen LCD	Displays the T2 screens. By touching on the items displayed on screen, T2 can be operated.
DVD-ROM drive	Used to import video/audio media files stored on DVD-ROM. * Does not support DVD-Video playback.
Power switch	Turns on/off the T2.
USB ports	Used to connect USB removable devices.
IEEE1394 port	Used to connect IEEE1394 removable devices. * Does not support the connection of DV/HDV devices.
Volume control	Used to adjust the headphone volume.
Headphone jack	Used to connect a headphone.
Jog/Shuttle	(See *next page*)
Control buttons	(See *next page*)

Control buttons



R1 button	Switches the Recorder channel to active.
P1 button	Switches the Player1 channel to active.
P2 button	Switches the Player2 channel to active.
Rew button	Moves back frame by frame. Keep pressing the button will fast-rewind.
Play button	Starts playback.
FF button	Moves forward frame by frame. Keep pressing the button will fast-forward.
Stop button	Stops playback/recording.
Rec button	Starts recording.
Shuttle/Jog button	Makes Jog/Shuttle active. (Switches modes from **VAR** button.)
VAR button	Executes variable speed playback. (Opens the control screen. Switches modes from **Shuttle/Jog** button.)
Jog/Shuttle	Executes jog playback, shuttle playback.
Rew + Stop buttons	While playing a clip Moves to the previous IN/OUT point, or the top of the clip. While playing a playlist Moves to the previous event.
FF + Stop buttons	While playing a clip Moves to the next IN/OUT point, or the end of the clip. While playing a playlist Moves to the next event.

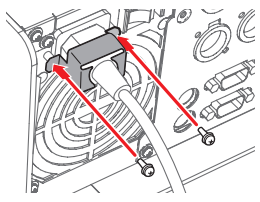
Rear panel



AC Power inlet (3 pin)	Use the supplied power cable and connect to the AC power.
Main power switch	Turns the main power ON/OFF.
Analog audio I/O section	Used for analog audio I/O.
Mouse port (PS/2)	Used to connect a mouse.
Keyboard port (PS/2)	Used to connect a keyboard.
Serial port	Not used.
Monitor port	Used to connect a PC monitor.
USB (2.0)	Used to connect a keyboard or mouse.
LAN	Used to connect a LAN cable.
Sound	Not used.
R1 input section	Used for inputting to the R1 channel.
P1 output section	Used for outputting from the P1 channel.
P2 output section	Used for outputting from the P2 channel.
REF IN	Used to input REF signal.
GPI I/O	Used for GPI I/O.
IEEE1394	Used to connect a device via IEEE1394.
MONITOR	Used for audio monitor.
REMOTE RS422	Used for remote control of R1, P1, P2 channels.

NOTE

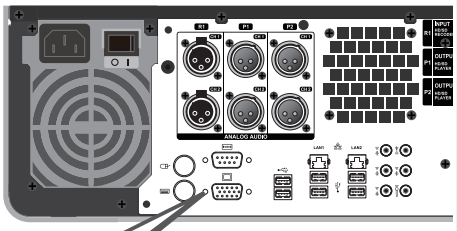
To set the AC power supply cable fastener, use the supplied screws to fix the power cable and the AC power supply cable fastener to your T2.
Never loosen the screws that fasten the fan.

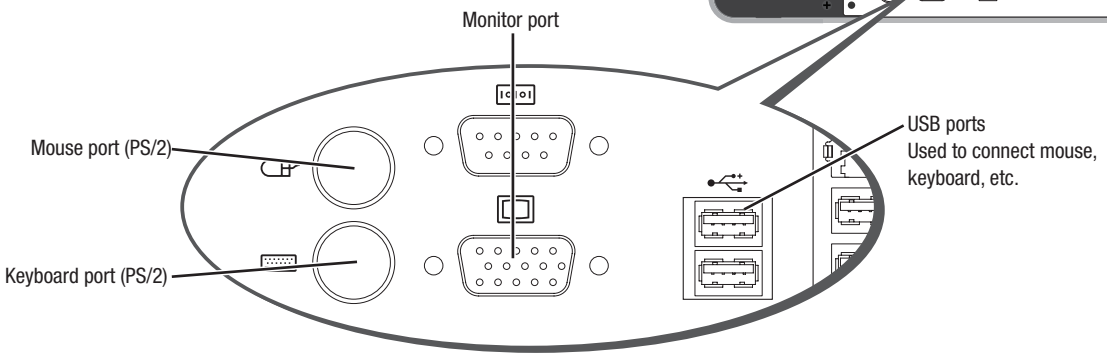


❶ Connect mouse, keyboard and monitor (if desired)

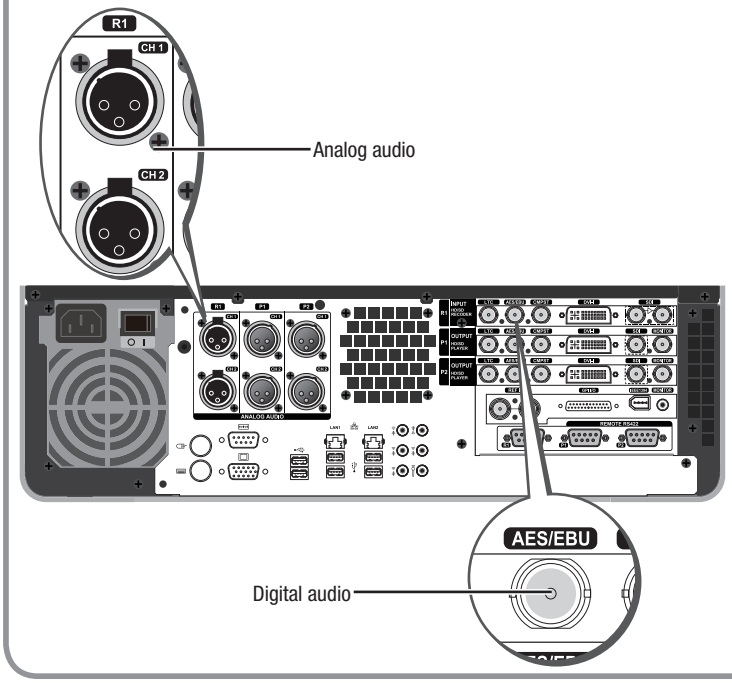
You can operate the T2 in Front Panel mode or Workstation mode. Make connections as described in the following table.

Operation mode	Required device
Front Panel mode	None
Workstation mode	Keyboard, mouse, monitor





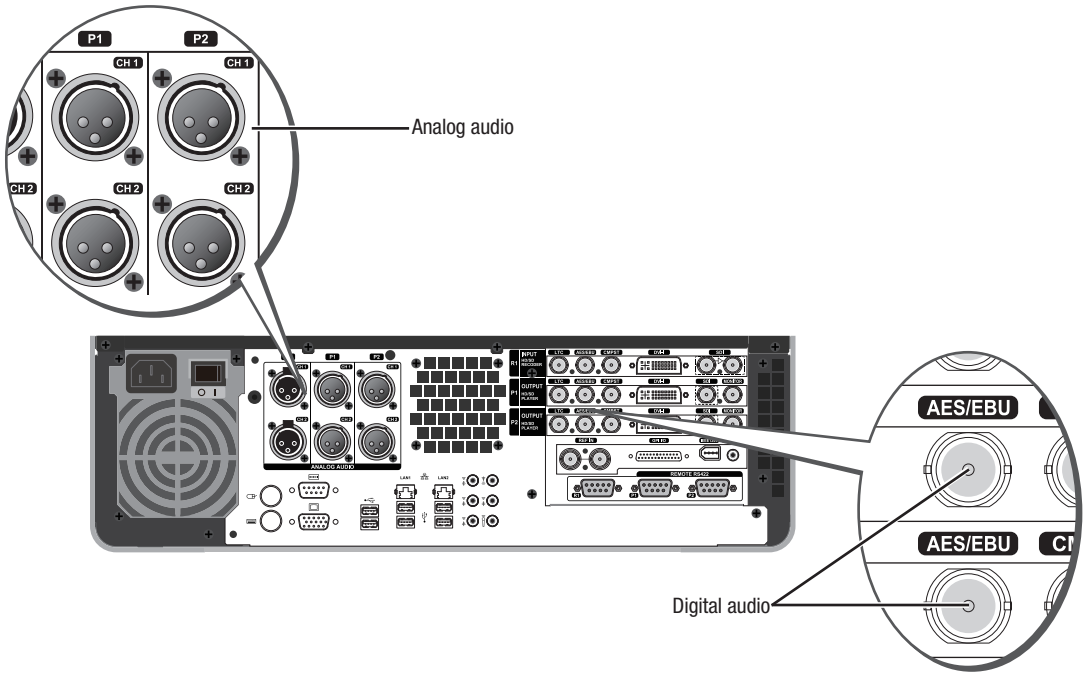
❷ Connect Recorder inputs



Video types and ports

Composite	CMPST
DVI-I	DVI-I
YPbPr	DVI-I * Conversion connector cable for analog RGB signal is required. (Separate purchase required.)
SDI	SDI

❸ Connect P1/P2 outputs



Video output formats and ports

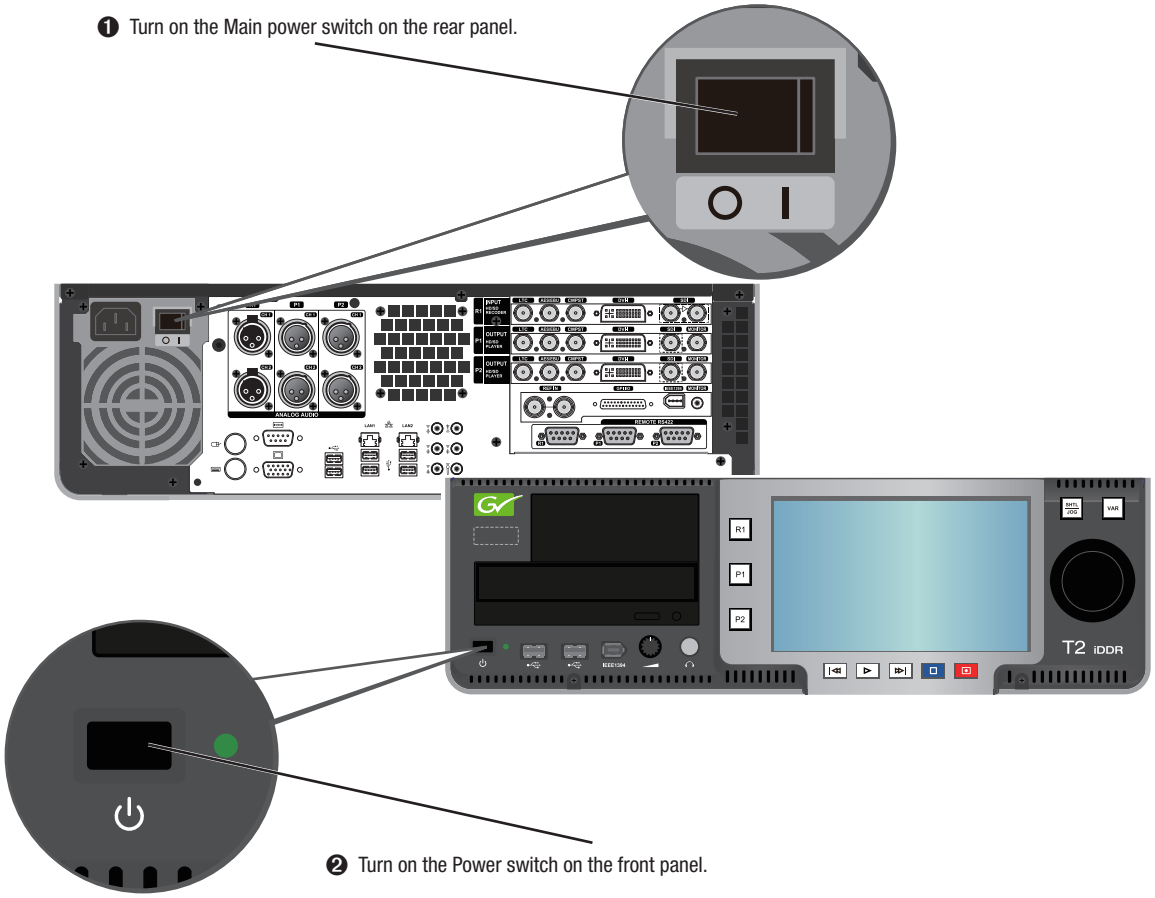
Video format	Composite	SDI	DVI-I	DVI-I (YPbPr)	RGB
1920 x 1080 50/59.94p			CEA861D		
1920 x 1080 50/59.94i		292M	CEA861D	274M	
1920 x 1080 24p (PsF)		292M	CEA861D	274M	
1280 x 720 50/59.94p		292M	CEA861D	296M	
1280 x 720 24p		292M			
720 x 480 59.94i	170M	259M		EBU N10	
720 x 576 50i	BT.470	259M		EBU N10	
1280 x 1024 60p			DVI 1.0		DMT
1024 x 768 60p			DVI 1.0		DMT
800 x 600 60p			DVI 1.0		DMT
640 x 480 59.94p			DVI 1.0		DMT

DVI-I port

YPbPr signal is output via the analog RGB pins of the DVI-I port. Conversion connector cable for analog RGB signal is required.

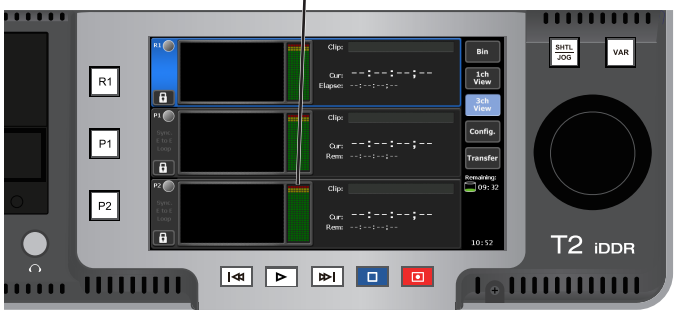
❹ Starting T2

❶ Turn on the Main power switch on the rear panel.



❷ Turn on the Power switch on the front panel.

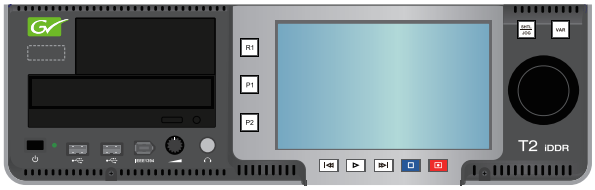
❸ T2 starts up and the 3ch View screen appears on the LCD.



❺ Hardware settings and the operations

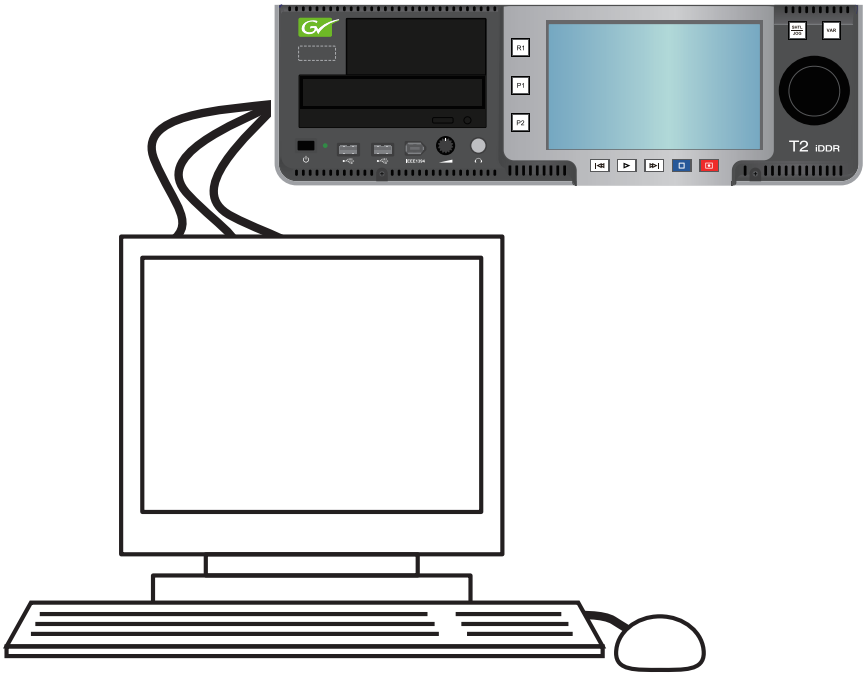
Front Panel mode

For the details on hardware settings, see page 21 in the “T2 Users Manual – Front Panel mode.” For the details on basic operations in the Front Panel mode, see page 10 of this document.



Workstation mode

For details on hardware settings, see page 22 in the “T2 Users Manual – Workstation mode.” For details on basic operations in the Workstation mode, see page 15 of this document.



Recording a clip

❶ Press the **R1** button.

❷ Verify signal sources.

❸ Touch the icon to specify the Bin folder to register the recorded clip.

❺ Touch the clip name box to change the clip name.

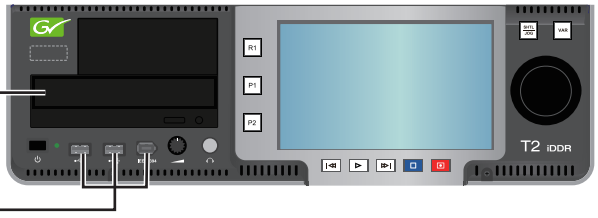
❻ Touch the **3ch View** button to switch back to the 3ch View.

❹ Press the **REC** button to start recording, the **STOP** button to stop.

❼ The recorded clip is registered to the Bin.

Importing media

You can import media created on other digital video devices or PC. The media may be imported from a CD-ROM, DVD, USB flash memory, and external USB or IEEE1394 disk drives.



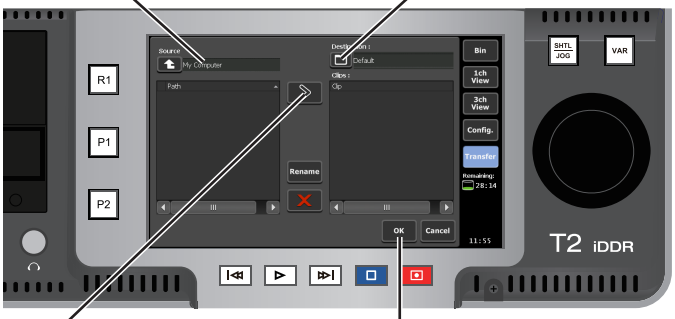
❶ Do one of the following to import media.
- Insert a CD-ROM or DVD
- Insert a USB flash memory, or connect an external USB disk drive
- Connect IEEE1394 external disk drive

❷ Touch the **Transfer** button.

❸ Touch the **Import** button.

❹ Choose the source folder that the media is imported from.

❻ Touch the icon to choose the Bin folder to store the imported media files.



❺ Choose media files to import and touch the **Add to List** button.

❼ Touch the **OK** button to start importing.

Playing a clip

❸ Touch the [**>P1**] (or [**>P2**]) button to load the clip to the selected channel.

❶ Touch the **Bin** button to open the Bin.

❹ Press the **P1** (or **P2**) button to activate the channel.

❷ Choose a clip to load to the P1 or P2 channel.

❺ Touch the **1ch View** button to switch to the 1ch View to review the detailed information on the clip.

❼ Touch the clip name box to change the clip name.

❻ Press the **Play** button to start playback; press the **STOP** button to stop.

❽ Touch the **3ch View** button to switch back to the 3ch View.

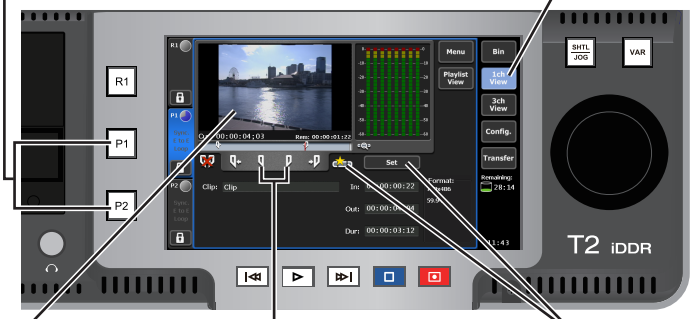
T2 Playback modes

E to E	Set the **E to E** option OFF to show a black screen when playback ends. Set the **E to E** option ON to show the video input to the R1 channel when playback ends.
Loop	To play the clip repeatedly, set **Loop** to ON.
Sync	Set **Sync** to On, when the clips loaded on the P1 channel and the P2 channel are set as “Pairing” clips, to make the channels played in sync.

Trimming a clip

❶ Press the **P1** (or **P2**) button.

❷ Touch the **1ch View** button.



❸ Review the clip name and preview.

❹ Touch the **Mark In** button or **Mark Out** button to set IN/OUT points to the current frame and trim the clip.

❺ Touch the **Set** button to set the IN/OUT points to this clip. If you want to create a sub-clip with the range between the IN-OUT points and register it to the Bin, touch the **Creating Sub-clip** button.

Creating a playlist

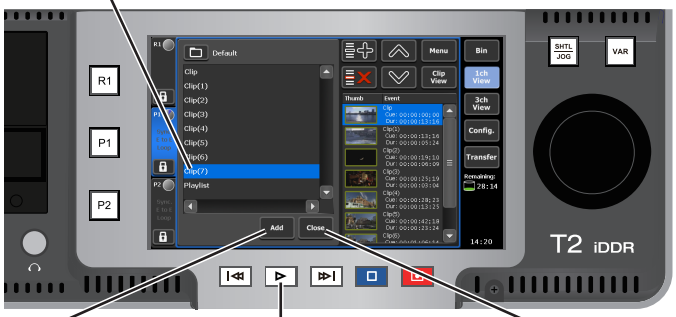
❶ Press the **P1** (or **P2**) button.

❷ Touch the **1ch View** button.

❸ Touch the **Playlist View** button.

❹ Touch the **Edit Playlist** button.

❺ Choose clips to add to the playlist.



❻ Touch the **Add** button.

❽ Press the **Play** button to play the playlist.

❼ Touch the **Close** button.

Switching to the Workstation mode

Just after the T2 starts up, it is running in the Front Panel mode. To switch to the Workstation mode, perform the following procedure.

On the PC monitor connected to the T2, choose **Switch to Workstation mode** from the **System** menu.

* To switch back to the Front Panel mode, touch the touch screen LCD, or choose **Switch to Front Panel Mode** from the **System** menu on the PC monitor.

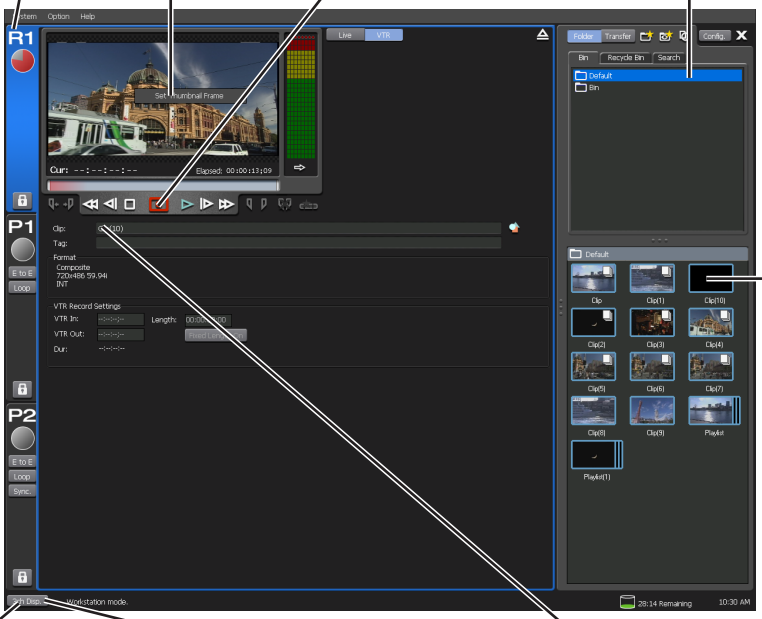
Recording a clip

❶ Click the **R1 channel** to activate.

❷ Verify signal sources.

❺ Click the **REC** button to start recording; click the **STOP** button to stop.

❹ Choose a Bin to store the recorded clip.



❽ The recorded clip is registered in the Bin.

❸ Click the **Switch View** (1ch Disp) button to switch to the 1ch Display to specify the detailed information on the clip.

❼ Click the **Switch View** (3ch Disp) button to switch back to the 3ch Display.

❻ Click the clip name box to change the clip name.

Playing a clip

❶ Click the **P1** (or **P2**) channel to activate the player channel.

❺ Click the clip name box to change the clip name.

❷ Choose a clip in the Bin to load to the channel. Double-clicking a clip will set it loaded to the active channel.

❸ Click the **Switch View** (1ch Disp) button to review the detailed information on the clip.

❻ Click the **Switch View** (3ch Disp) button to switch back to the 3ch Display.

❹ Click the **Play** button to start playback, and click the **STOP** button to stop.

T2 Playback modes

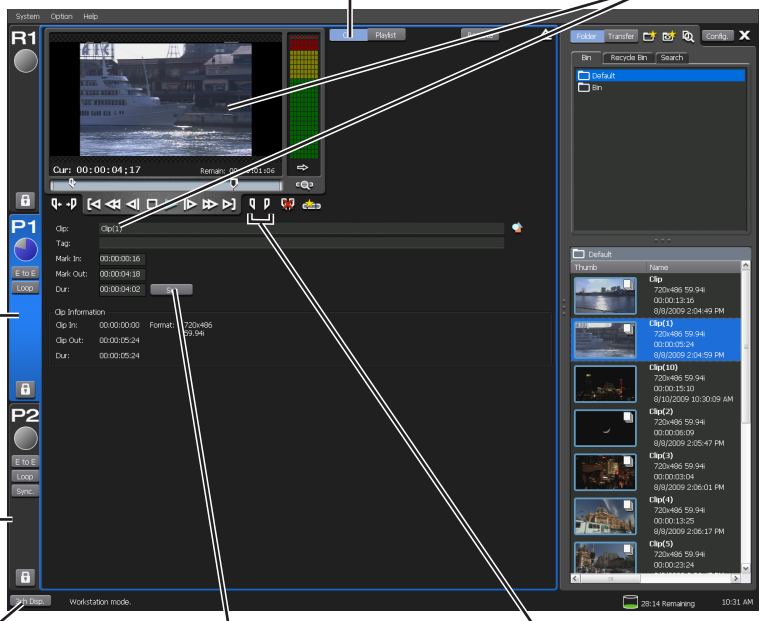
E to E	Set the [E to E] option OFF to show a black screen when playback ends. Set the [E to E] option ON to show the video input to the R1 channel when playback ends.
Loop	To play the clip repeatedly, set [Loop] to ON.
Sync	Set [Sync] to On, when the clips loaded on the P1 channel and the P2 channel are set as “Pairing” clips, to make the channels played in sync.

Trimming a clip

❶ Click the **P1** (or **P2**) channel to activate the player channel.

❸ Confirm that the **Clip** button is set to ON.

❹ Review the clip name and preview.



❷ Click the **Switch View** (1ch Disp) button to switch the window to the full display mode.

❺ Click the **Mark In** button or **Mark Out** button to set IN/OUT points to the current frame and trim the clip.

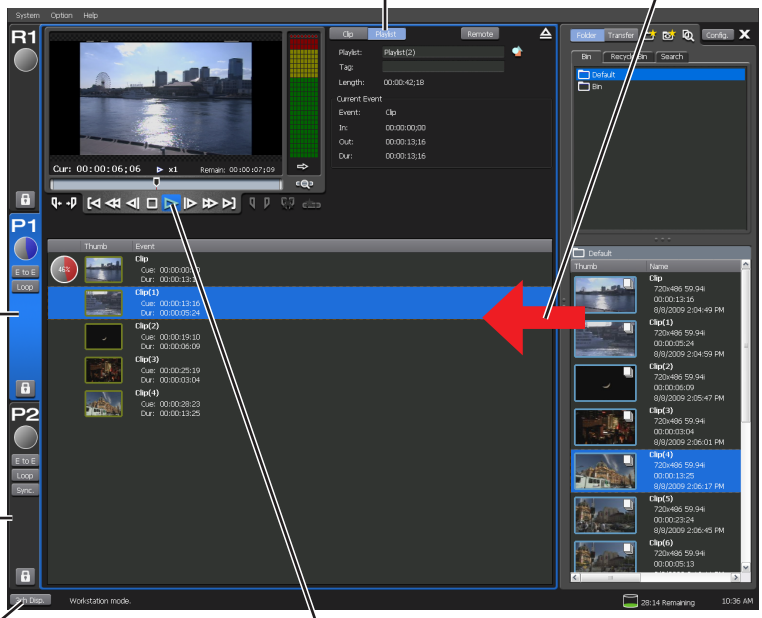
❻ Click the **Set** button to set the IN/OUT points to this clip. If you want to create a sub-clip with the range between the IN-OUT points and register it to the Bin, click the **Creating Sub-clip** button.

Creating a playlist

❶ Click the **P1** (or **P2**) channel to activate the player channel.

❸ Click the **Playlist** button.

❹ Drag & drop the clips to add to the playlist from the Bin to the Event list.



❷ Click the **Switch View** (1ch Disp) button.

❺ Click the **Play** button to play the playlist.