



Turntable 360° Rotating Platform with Joystick Controller (P-TNTL-01)



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What's In The Box

Please inspect the contents of your shipped package to ensure you have received everything that is listed below.



Turntable 360° Rotating Platform



Rubber Sheet



Joystick Controller



Acrylic Sheet



Detachable Power Cord with 15V AC (Power Adapter)



(Registered Jack)
RJ45 Cable



Bag Strap



2 x Spanner (Sizes : 17mm, 14 & 15mm)
1 x Allen Key (Size : 4mm)



Bag Packing

Joystick Controller & Turntable Features



FEATURES

A detachable top layer that can be removed for cleaning or customization.

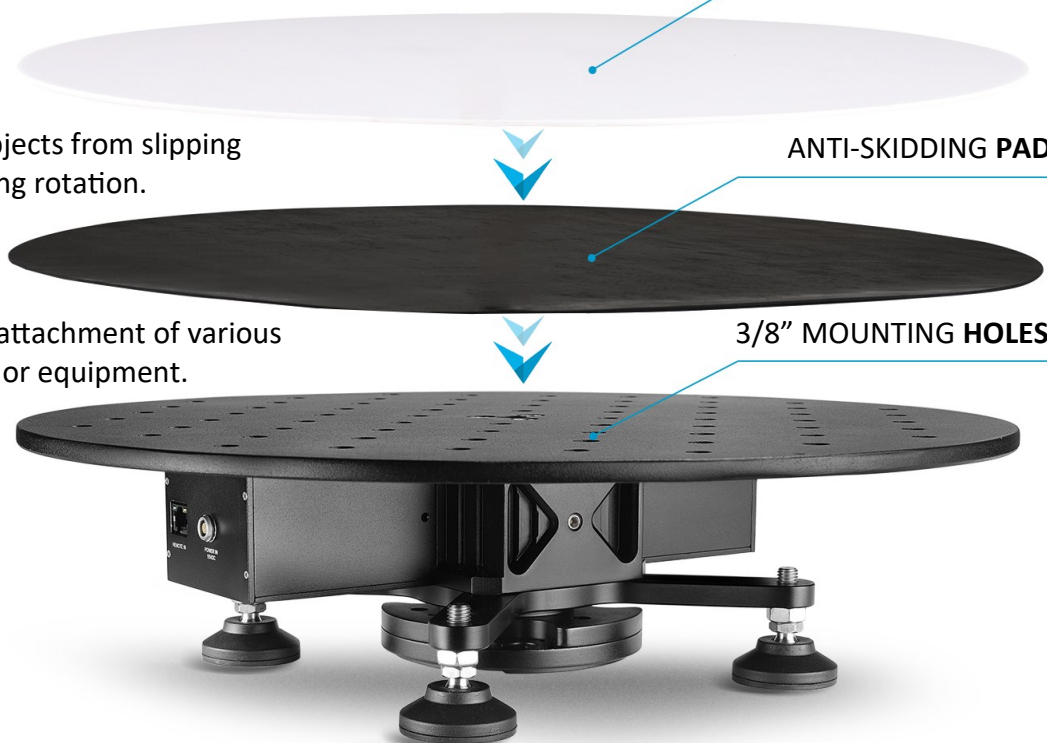
WHITE REMOVABLE SURFACE

Prevents objects from slipping during rotation.

ANTI-SKIDDING PAD

Allows secure attachment of various objects or equipment.

3/8" MOUNTING HOLES



**Power Switch
(On/Off Button)**

Easily turns a device or circuit on or off.

DC Power Input Port

Supports specific DC voltage and current

Display Screen

Damping Knob (Smooth Acceleration)

Starts rotation gradually without sudden jerks for stable motion.

Speed Control

Adjust the rotation speed as needed.

Central Joystick (Programmable Settings)

Customize and save rotation patterns or behaviors according to your needs.



■ Turntable 360° Rotating Platform Setup

Note on Shutter Release Cable:

We provide a standard 2.5mm triggering jack that is integrated into the slider. Please note that the shutter release cable is **(Not Included)**, as different camera models require different types of shutter cables. These cables are considered camera-specific accessories and must be sourced separately based on your camera model.

Connecting 2.5mm Trigger jack

Trigger Cable Connection

- Carefully insert the shutter release cable into the 'TRIGGER' port located on the side panel of the rotating platform.

Feature: This port is used to synchronize the camera's shutter release with the platform's motion, enabling automated and precisely timed photography.

- Cable has been successfully connected to the 'TRIGGER' port on the side panel of the rotating platform.
- Now, take the other end of the wire and carefully insert it into the trigger input port of the camera.

Feature: This connection allows the rotating platform to send trigger signals directly to the camera, enabling synchronized operation—such as capturing an image precisely when the platform reaches a specific position.



Connecting RJ45 Cable and Power Adapter Cable

- Connect the RJ45 Cable into the 'REMOTE IN' port located on the side panel of the rotating platform.



- RJ45 Cable successfully connected to the 'REMOTE IN' port.

Note: Make sure the connector is properly aligned with the port and pushed in until it clicks into place, ensuring a secure and reliable connection.



This cable allows for remote control and communication with the rotating platform, enabling it to receive commands from external devices or systems.



- Connect the Power Adapter Cable into the 'POWER IN DC' port located on the side panel of the rotating platform. cable is securely connected, plug the power adapter into a suitable power outlet.

Note: Ensure that the power source matches the voltage and current specifications specified for the platform.




IMPORTANT : Always connect the power adapter cable before powering on the device to avoid potential electrical damage. If you need to disconnect the cable, power off the device first.

- Power Adapter cable is securely connected to the 'POWER IN DC' port.
- Then, the turntable will automate the process of capturing multiple still images and will provide a stable, compact, and reliable foundation for creating dynamic and engaging visual content.



Follow the Cable Steps shown in the video tutorial linked below:



 https://youtu.be/_4ET__UePhs?list=TLGGGviajLX4mRcyMTA1MjAyNQ

Capture Stunning 360° Product Images

Turntable for Photography & Videography



Follow the 360° steps shown in the video tutorial linked below:



https://youtu.be/U5ZfO1HkyEA?list=TLGGcRVBc1_kAUAYMTA1MjAyNQ

Joystick Controller Functionality

Follow the Joystick Controller Function shown in the video tutorial linked below:



https://youtu.be/vqRwwSnRR_A?list=TLGGYUVGMAFtN-kyMjA1MjAyNQ



Precision Control at your Fingertips

- Press the **Power** button to turn on the device. Navigate to Manual Mode.

Note: You can choose between **Unlimited Operation** and **Manual Operation** depending on your workflow requirements.



After you switch the power on the startup screen will appear on LCD for about 1,5s.

Specifying startup parameters

After switching the power on it is necessary to determine the working mode of the drive. We differentiate two types of modes:

1. Manual Mode (MAN)
2. Unlimited Mode (UNL)



MAN:-- The user determines the limit points (hence the movement range) by using the joystick and the **SPEED** knob.

UNL:- This mode does not require setting any movement range.

NOTE:- When you power **ON** the turntable slider for the first time, you must select **"Yes"** for calibration. This allows you to set the limit points as per your requirement.

RE-CALIBRATE?
NO <YES>

Select **"No"** for calibration only when you want to retain the previously set limits after turning the power **OFF** and **ON** again.

Note: Always start at the Slowest speed setting to ensure safe operation before increasing.

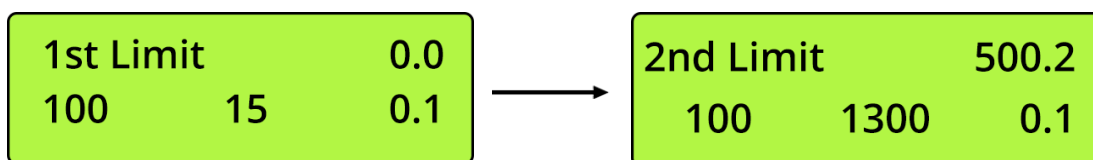
MAN (Manual Calibration)

In case of **MAN** working mode, the controller moves to the manual calibration. This mode allows to determine the limit points anywhere on turntable Slider. This mode is recommended if you need to determine a short range of motion for the Slider.

By moving the joystick right and left set the limit point for the drive.

SPEED knob to determine the speed of the slider this will allow you to decelerate before the slider reaches second point of limit. Press the joystick to accept.

- Set the first & 2nd speed limit by selecting the appropriate level (e.g., Low, Medium, High) based on your preference or the operational requirements.



As soon as the user sets the limit points, a message on LCD appears that limits are set and the drive is ready for work. After pressing OK (understood as pressing the joystick) the main menu appears on the screen.

```
>LIVE
TIMELAPSE
ANIMATION
CONFIG
```

Main Menu

As soon as the startup parameters are determined the controller enters a main menu with working programs and additional CONFIG menu. Navigate by moving joystick up and down.

Press the joystick to enter selected program. Main menu features four entries:

```
LIVE VIDEO
TIMELAPSE
ANIMATION
CONFIG
```

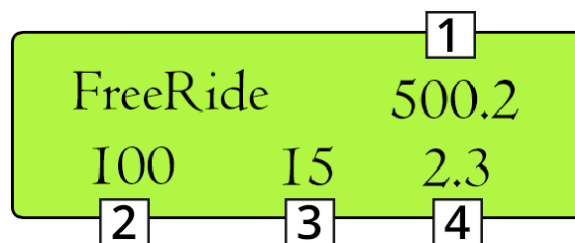


LIVE VIDEO

As you enter **LIVE** program, a submenu will appear on the screen with different operating modes: [Free Ride], [Recording], [Play- back], [VideoLoop] <Back>."

Free Ride

Free Ride mode allows the user to control the speed of the Slider using joystick and adjusting knobs. **SPEED** knob sets the maximum speed desired by the user. **DAMPING** knob is used to determine the time at which the drive reaches the desired speed or stops, what allows to achieve very smooth acceleration and deceleration of the slider. By moving the joystick right or left you can control the level of acceleration/deceleration of the slider.



Free Ride Mode allows continuous operation without predefined route constraints, while still respecting the limits you've set.

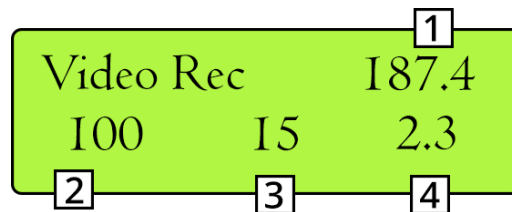


Current position of the slider measured in mm [1] Maximum speed of the slider set by the user [2]
 Currently set speed [3]
 Acceleration / deceleration time [4]

When you work in **Free Ride** mode you can change **SPEED** and **DAMPING** parameters at any time during the movement. **SPEED** knob allows to set the speed value within the range of 1.8-182 mm/s. **DAMPING** knob allows to set the acceleration/deceleration time within the range from 0.1s to 10s.

Recording

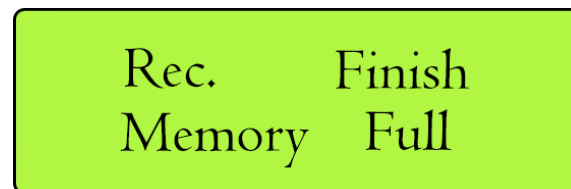
Slider Recording mode is designed to record the movements of the slider in order to play it back later in Playback mode. Movement control (**SPEED and DAMPING**) is exactly the same as in Free Ride mode, so the user can change SPEED and DAMPING parameters at any time during the movement. In order to finish the recording and return to the menu press the joystick. The controller can store 89 seconds of the recording. Recorded movement is stored in the controller until the power supply is switched off.



Recording Mode Set the desired recording duration limit, and the system will record within that set limit.



Current position of the slider measured in mm [1]
 Maximum speed of the slider set by the user [2]
 Currently set speed [3]
 Acceleration / Deceleration time [4]



If length of the recorder movement exceeds **89 Seconds**, a message on the screen will appear informing the user that the controller memory is full.

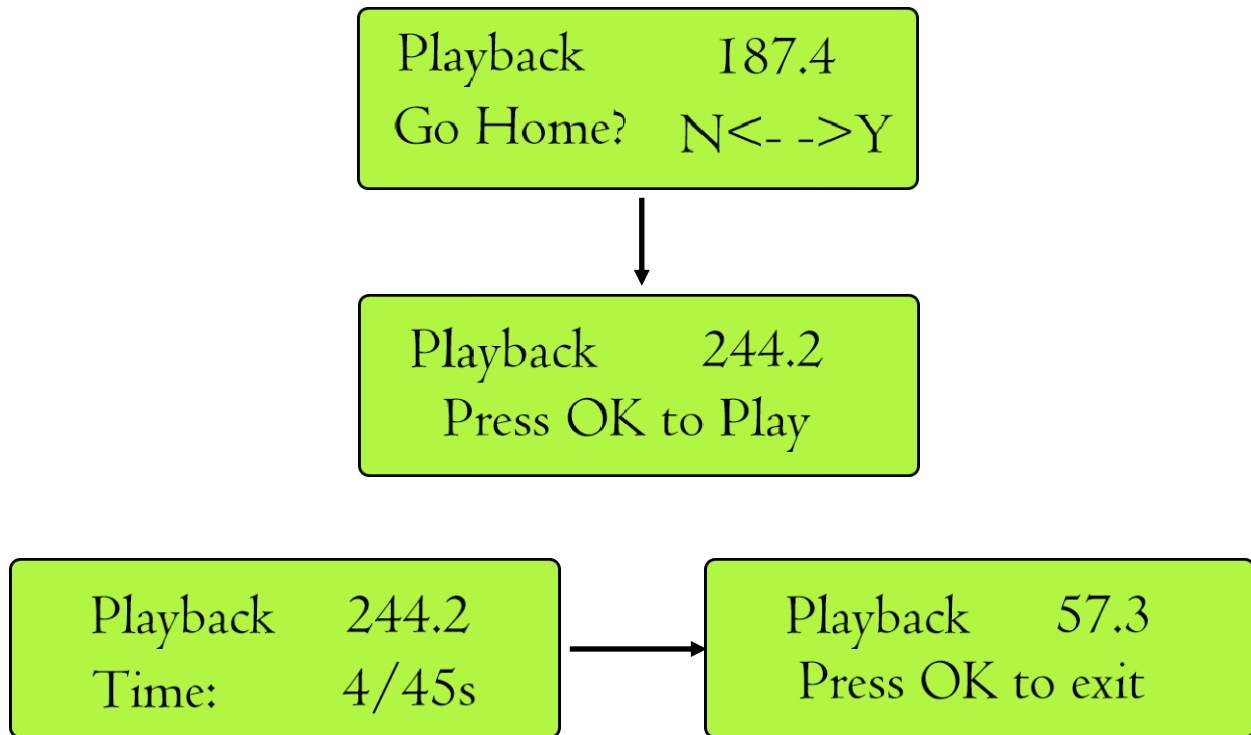
To stop the recording before the end of **89 Seconds**, press the joystick. In order to play back the recorded movement, return to the main menu and enter **Playback Mode**.

Playback

Playback mode plays back movements of the slider saved in **Recording mode**.

When you select **[Playback]** there will be a message displayed on the screen:

Go Home? The controller requires the user decision whether the slider should return to the position where the recording of movement started ($\rightarrow Y$) or whether to start playing back the movement from the current position of the slider ($N \leftarrow$). Select the option by moving the joystick in the appropriate direction.



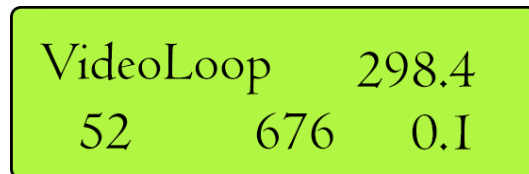
Playback Mode replay recorded motion paths from Recording mode.



The controller displays information about the current position of the slider **[1]** and the current/ overall time of the recording **[2]**. As the recorded movement stops press the joystick to return to Live video menu.

VideoLoop

During VideoLoop mode the slider moves from one limit point to the other without stop. It automatically turns back and starts moving in the opposite direction once it reaches the end of the movement range. There is no need for the user to determine the direction of the movement. The user can change **SPEED** and **DAMPING** parameters at any time during the movement. **SPEED** knob allows to set the speed value of the slider [1]. **DAMPING** knob allows to set the acceleration/deceleration time [2]. Pressing the joystick causes the driving motor to stop immediately and the controller returns to **LIVE Video menu**.



Note:- Video loop mode is only available in manual mode where start and stop limits are set. It is not available in unlimited mode as limits cannot be defined.

Video Loop Mode the movement will automatically reverse at the end of the range, ensuring continuous and seamless motion.



TIMELAPSE

TIMELAPSE program is designed for interval shots synchronized with the movement of the slider (**Motion Timelapse**). standard 2.5mm jack shutter release cable connected to the socket on driving motor enables to synchronize the drive with the camera. After entering **TIMELAPSE** program the user has to set the parameters below:

Note: Please note that it is important to select a proper direction of the movement in **TIMELAPSE** program. If you choose movement direction as left and the slider will be located in the left reference point, 0", the device will encounter resistance as it is the end of its movement range. Consequently, the drive will not move.

Mode - Continuous / SDS working mode

Direction - Slider movement direction: left/right

Interval - Time at which the drive takes a shot (1-600s)

Expos. - Duration time of the trigger signal (from 0.5 to 99.5s)

Shots - Number of photos to take during the track (from 4 to 30 thousand). Time of the track is calculated automatically by the controller. It can be determined from the formula: Interval x Shots

[Start] - TIMELAPSE program starts

<Back> Controller returns to main menu

Continuous Mode

The turntable rotates continuously between start and end limits at a speed that depends on the total range and interval settings.

SDS Mode

Designed for time-lapse and stop-motion photography. The turntable moves step-by-step: it stops, triggers the camera via the 2.5mm shutter cable, waits for a fixed delay, and then moves to the next position. Speed is auto-calculated based on the set interval time and total travel distance.

The trigger signal, with a preset duration time (**Expos.**) is given to the next point before the slider moves. Shutter release cable connected to the socket on driving motor enables to synchronize the drive with the camera.

The distance that the drive covers during the track is calculated from the place where the slider is currently located, to the end of the range of movement in a set point direction (Direction).

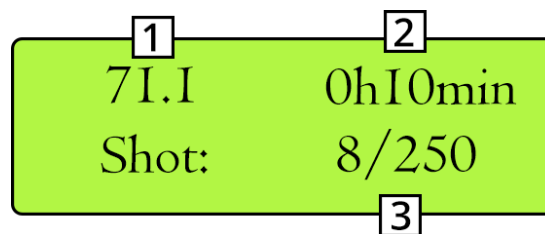
In the **Manual mode** the controller will calculate automatically length of step for **SDS mode** and speed for **Continuous mode**.

In **Unlimited UNL Mode**, due to the fact that no limit points were defined, after setting all parameters there would be an additional message on the controller screen asking the user to manually determine the length of step:



In case of Continuous mode, once you start **TIMELAPSE** mode (**by selecting [Start]**), use **SPEED** knob to set the speed for the slider:

The user can stop the program at any time by pressing the joystick. When the drive has taken all the photos and stops the program there will be a message on the screen: Timelapse end OK to exit. Press the joystick to return to the main menu.



Current position of the slider **[1]**

Time remaining to the end of the track **[2]**

Number of currently taken shots /number of shots to capture **[3]**

ANIMATION

ANIMATION allows to program track of the slider during which the drive take series of photos (the drive will trigger the shutter release itself through a cable connected to the camera). After entering **ANIMATION** program set the individual parameters:

Direction - Direction in which the slider moves: right/left

HomePos - Home Position (measured in mm). Position demined by the user from which the drive should start its work.

Step - Length of step (measured in mm)

Steps - Number of steps. Controller calculates the maximum amount of steps basing on home position (HomePos) and selected direction of movement.

Shots - Number of shots to take after the Slider stops.

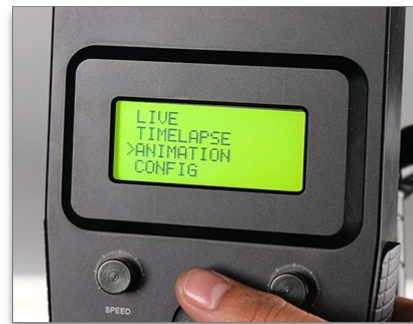
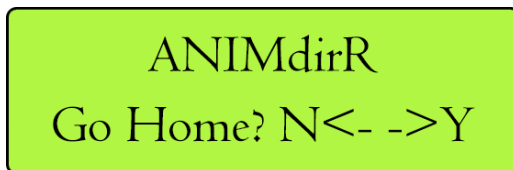
Delay - Time of the delay. Time after the slider stops before the drive triggers the shutter (0-9s)

[Start] - ANIMATION program starts

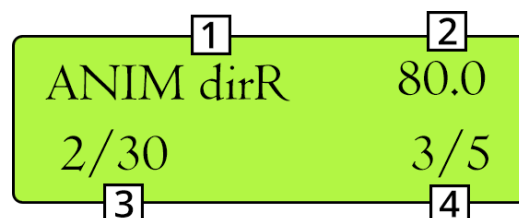
<Back> - Controller returns to main menu

When you select **[Start]** in **ANIMATION** program there will be a message displayed on the screen: **Go Home?** The controller requires the user decision whether the slider should start the movement from determined HomePos (-> Y) or whether to start the movement from the current position of the slider (N <-). Select the option by moving the joystick in the appropriate direction. DirR on the screen indicates the selected direction of the movement, in that particular example: right. You can return to the main menu at any time by pressing the joystick.

NOTE:- Please note that it is important to select a proper direction of the movement in **ANIMATION** program. If you choose movement direction as left and the slider will be located in the left limit point, 0", the device will encounter resistance as it is the end of its movement range. Consequently.



After the user determines the desired starting position, information about current parameters will appear on the **LCD**. In order to start, move the joystick in a direction you selected earlier. After the first step, move the joystick again to initiate another steps. The user can freely move a step forward or backward (by moving the joystick right or left) or skip a few steps forward or backward (by holding the joystick longer in a selected direction).



Selected movement direction [1]

Current position of the slide [2]

Current step/ number of programmed steps [3]

Number of shots already taken / number of all shots to take [4]

Sample screen presented above informs that the user selected right as movement direction [1]. If the user chose left, there would be: dirL- on the screen. Current position of the slider is 80mm [2] from the left limit point in **MAN** mode, or starting point in **UNL Mode**.

The drive currently performs second step out of thirty steps set [3]. The drive has already taken three shots out of five shots set [4]. The user can stop the program at any time by pressing the joystick. When the drive has taken all the photos and stops the program there will be a message on the screen with the current position of the slider. Press the joystick to return to the main menu.

CONFIG

After entering, there will be information about the Mode, Backlight adjustment Calibration.

```

MODE: MAN
Back - Light 100%
Calibration
>Back
  
```



CONFIG menu has four entries,

Mode - MAN or UNL (This shows the currently active mode.)

Backlight - Adjusts the brightness of the LCD. By moving the joystick left or right you can set the brightness within the range of: 0-100%

Calibration - This option allows you to re-calibrate the slider. You can also switch the mode (MAN/UNL) as per your requirement during the calibration process.

Back - Return to main menu

**YOUR PROAIM TURNTABLE 360° ROTATING PLATFORM WITH JOYSTICK CONTROLLER
ALL DRESSED UP AND READY TO GO!**



(SHOWN WITH OPTIONAL ACCESSORIES)

Warranty: We offer one year warranty for our products from date of purchase. Within this period of time, we will repair it without charge for labor or parts. Warranty doesn't cover transportation costs nor does it cover a product subjected to misuse or accidental damage. Warranty repairs are subjected to inspection and evaluation by us.

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