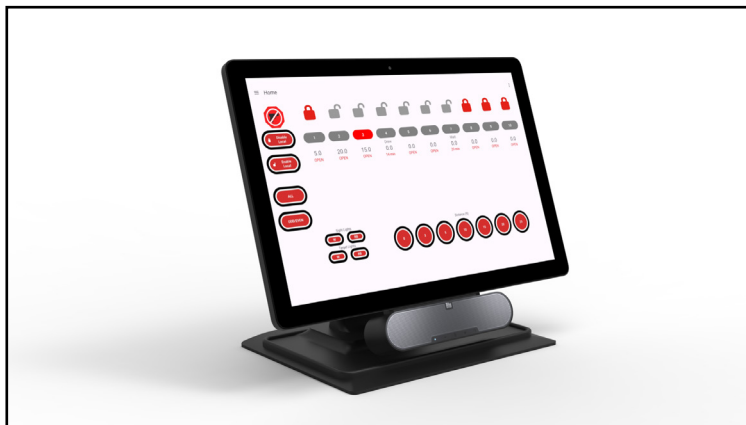


RANGE SYSTEMS™

Pro-Touch Master Controller Operation and Maintenance Manual

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Introduction

The Pro-Touch Master Controller is the central control system used to manage lanes, presets, lighting, and training sessions within the range. It operates through the Master Controller App on a connected device.

Thank you for choosing the Range Systems Pro-Touch Master Controller.

WARNING:

- Failure to follow the instructions in this manual may result in bodily harm to yourself or others
- Be sure target retriever lane is clear before moving targets

Basic Components of the System

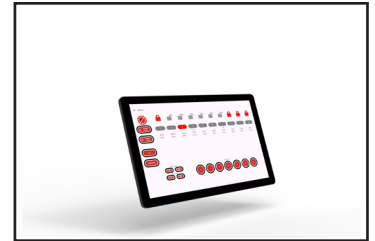
Stationary Master Controller

The Stationary Master Controller is a large-format device designed to be mounted in a range control office, on a desk, or at another centralized control location. It provides full range management and operational control from a fixed position.



Portable Master Controller

The Portable Master Controller is a compact mobile tablet designed for easy use throughout the range. It can operate as the primary Master Controller or function alongside the Stationary Master Controller as a secondary controller for in-range training and operational control.



Note: A maximum of two controllers is allowed per facility: one primary controller and one secondary controller

Features and Specifications

- Multi-Lane Control Capability
- Session Assignment & Timer Tracking
- Real-Time Lane Status Display
- Cease Fire Global Override
- Lane Lighting & Carrier Target lighting (Pro-Touch+ Model only)
- Preset Distance Control System

Setup

Note:

- New controllers are preprogrammed at the factory for your installation. Contact Range Systems to purchase a replacement or secondary controller.

Network

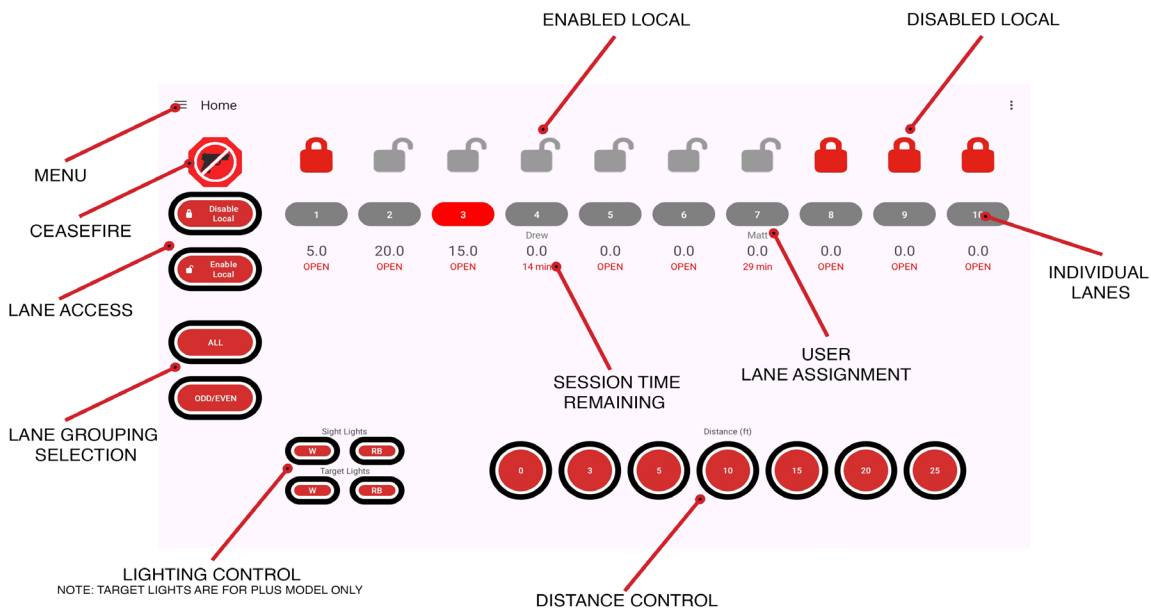
The Master Controllers communicate through a dedicated Wi-Fi network provided with Pro-Touch Target Systems when a Master Controller or Plus Upgrade package is purchased. This network ensures stable and reliable system communication throughout range operations.

Power & Charging

Plug the Stationary Master Controller into a wall outlet during installation (Part # XA5282). Ensure the tablet is powered.

Home Screen Configuration

This screen is where you will control all of the main and commonly used functions for quick and efficient operation.



Menu

Provides access to:

- Home Screen - Lane controls
- Settings - Configure preset distances for Home Screen controls
- Lane Assignment - Assign lanes to customers and display the user name and session time on the Home Screen

Ceasefire

- Stops local access to all lanes. Local access is not restored until ceasefire has been disabled.

Lane Access

- The Rangemaster can enable or disable local lane controllers by selecting individual lanes or multiple lanes simultaneously, then choosing the appropriate Enable Local or Disable Local command from the Master Controller interface. This allows the Rangemaster to quickly transfer control between the local lane controller and the Master Controller as needed.

Lane Grouping

- All button – Selects or deselects all lanes
- Odd/Even button – Toggles lane selection between odd- and even-numbered lanes

Lighting Controls

- Control lane lighting
- Control target lighting (Pro-Touch+ model only)

Distance Presets

- Factory preset distances are in feet

Session Time Remaining

- Displays the remaining time in the lane's current session before it automatically ends

User Lane Assignment

- Assign users to specific lanes to control access and manage lane availability during a session

Individual Lanes

- Correspond to the range's lane numbers

Enabled Local

- Allows local lane controller to operate the selected

Disabled Local

- Disables the local lane controller, allowing the Master Controller to maintain full control

Note:

- Distance control is limited to the presets that are set in the setting menu (see below)
- Maximum lane distance must be set on the local lane screen

Settings Menu

This is where individual lanes are configured and managed. Lane settings are programmed here, including enable/disable controls and target distance adjustment buttons.



Lane Setup

- Preconfigured by Range Systems and cannot be changed

Lane Activation

- This is where your lanes are enabled. The total number of enabled lanes should match the number of Pro-Touch target retrievers installed at your range.

Note:

- Do not activate any extra lanes.
- If a lane is down for maintenance, the enable switch should be turned off.

Distance Presets

- Enter your preferred preset distances in feet here. These will be displayed on the home screen.

Primary or Secondary Master Controller Selection

- Assigns the Primary and Secondary Controllers

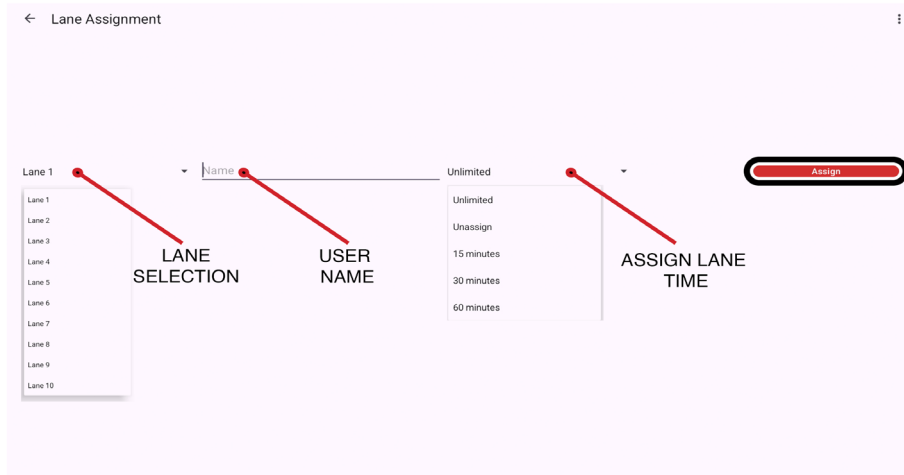
Note: This is set at the factory at time of purchase. Changing this setting will affect functionality. Do not reassign controllers. Contact Range Systems to discuss if you need to change your controller selections.

Primary Master Controller: Only device allowed to assign lanes; controls all target functions

Secondary Master Controller: Control-only access (no lane assignment rights)

Lane Assignment Screen

This screen allows the Rangemaster to assign and manage lane usage. Designate individual lanes, enter the user or group assigned to each lane, and set the duration of the assignment for organized and efficient range operation.



Lane Selection

- Select the lane to be assigned

User Name

- Enter the name of the shooter occupying the lane

Assign Lane Time

- Set the duration the lane will be used for

Note:

- “Unlimited” sets lane usage with no time limit
- Lanes assigned as “Unlimited” must be unassigned after use

Icon Glossary



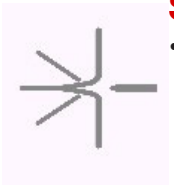
Unlock Icon

- Local controlled lane



Lock Icon

- Master Controller controlled lane



Strike Icon

- Carrier has been struck

Stall Icon

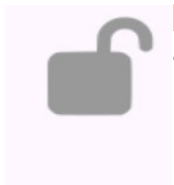


- Error with carrier
- Motor can not turn



Help Icon

- Shooter has a problem and is requesting assistance



Lane Assigned

- Shooter has been assigned to lane with 30 minute time limit



Drew
0.0
30 min



Lane All On

- Lane is occupied
- Timer is running
- Carrier lights on
- Carrier Strobes on
- Lane lights on
- Lane Strobes on



Drew
0.0
30 min

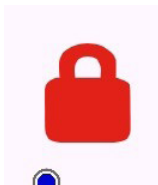


Lane Session Running

- Assigned time has started



Drew
0.0
30 min

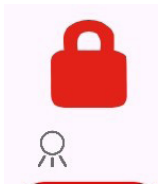


Lane Lighting

- Strobe on
- White light on



Drew
0.0
30 min

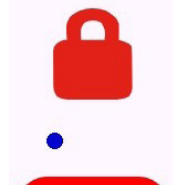


Lane Lighting

- White light on



Drew
0.0
30 min

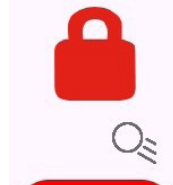


Lane Lighting

- Strobe on



Drew
0.0
30 min



Carrier Light

- White light on



Drew
0.0
29 min

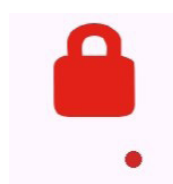


Carrier Light

- Strobe on
- White light on



Drew
0.0
29 min



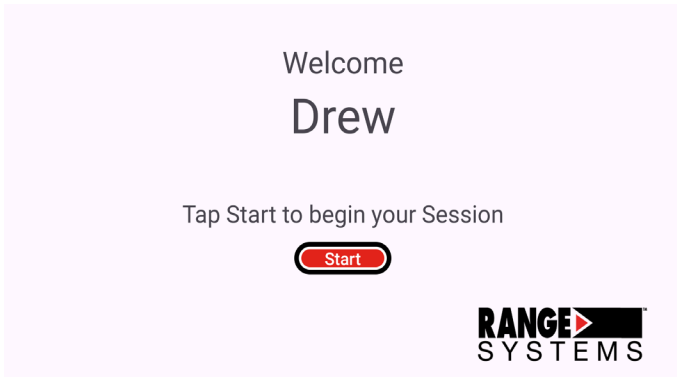
Carrier Light

- Strobe on



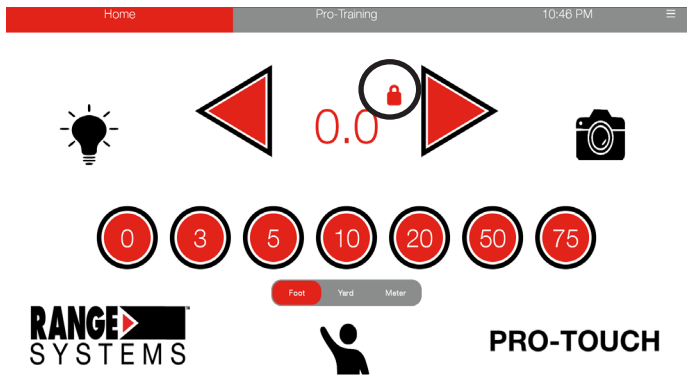
Drew
0.0
29 min

Local Lane Screen



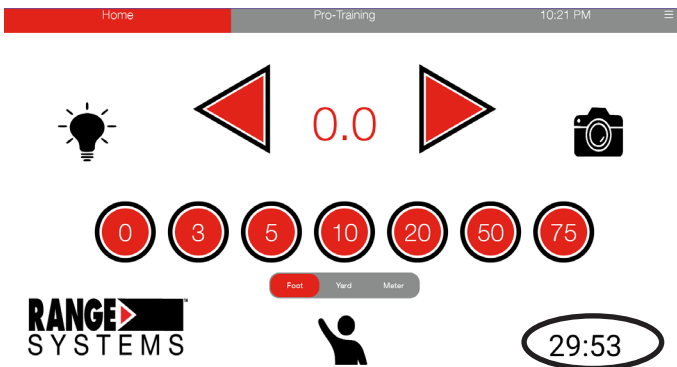
Welcome Screen

- Shooter is greeted with this screen on arrival to their assigned lane.
- Pressing Start begins the session timer



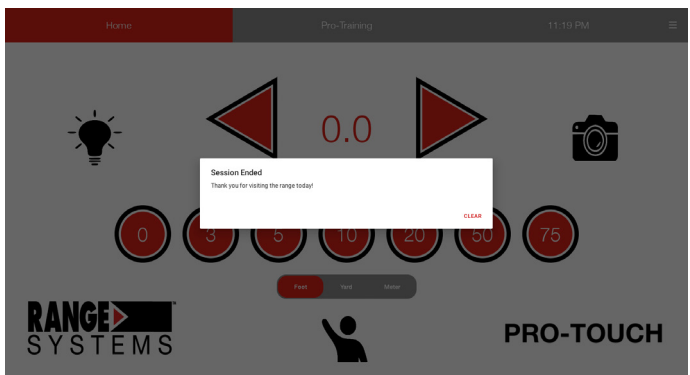
Lock Screen

- Local control is locked. Either the lane is being controlled by a Master Controller or the lane is not assigned



Timer Running

- The assigned lane timer in the bottom right shows the shooter how much time is left in their session.



Session Ended

- Shooter is alerted their assigned time has ended

Note: This is not a hard stop, user may continue to use the lane, if they do manual intervention will be needed either in person or by locking the lane via the master.

Lane Control Operation

Controlling a Lane

There are two ways to control lane operations:

Option 1: Allows multiple lanes to be selected and controlled simultaneously

Option 2: Intended for controlling a single lane

Option 1 — Disable Local Control

1. The Range Officer selects the desired lane or multiple lanes from the Home Screen
2. Press Disable Local
3. Local lane controls will be disabled
4. The Master Controller now has control of the selected target carrier



Option 2 — Lock the Lane

1. Press the Padlock symbol
2. Change the lane status to Locked



Once locked:

- Local lane controls are deactivated
- The Master Controller gains control of the target carrier

Multiple Lane Control

- Multiple lanes may be selected and controlled simultaneously
- Preset commands will apply to all selected lanes

Operating the Target Carrier

After local control has been disabled or the lane has been locked:

- Use the preset distance buttons on the Master Controller
- Select the desired preset distance
- The Master Controlled target carrier(s) will automatically move to the selected preset position

Notes:

- Local lane controls must be disabled or locked before Master Controller operation is enabled
- Control is limited to preset distance positions only
- Lighting and target controls are available only on Pro-Touch+ models
- Maximum lane distance must be configured on the local lane controller screen

Troubleshooting

Controller Will Not Connect to Lanes

Possible Causes:

- Controller connected to wrong Wi-Fi network
- Incorrect IP configuration
- Lane not enabled on Home Screen
- Network interruption

Solutions:

1. Verify the controller is connected to the provided dedicated Wi-Fi network only
2. Confirm controller IP settings:
 - Primary Controller: 192.168.1.5
 - Secondary Controller: 192.168.1.6
3. Verify lane IP addresses:
 - Factory preset range begins at:
 - Lane 1: 192.168.1.111 Lane 2: 192.168.1.112 Lane 3: 192.168.1.113 and so on
 - Go to: Menu > Settings
 - Confirm lane IP addresses are correct
 - Press SAVE
4. Ensure desired lanes are enabled on the Home Screen

Unable to Control a Lane

Possible Causes:

- Lane not selected
- Lane not locked
- Lane disabled

Solutions:

1. Double tap Range Systems Icon on local screen to refresh lane
2. Select desired lane number
3. Press LOCK before attempting control
4. Verify lane is enabled on Home Screen
5. Verify lane set on local controller

Cannot Assign Lanes

Possible Causes:

- Using Secondary Controller
- Lane already assigned
- Session not properly cleared

Solutions:

1. Verify you are using the Primary Controller
2. Click on Lane
 - If lane is set to Unlimited, unassign it first
 - Reassign lane and press ASSIGN