Settings Definitions

E-TR and E-TRx (LED Display)

The display assembly contains two modes for settings.
- "Manager Mode"
- "Maintenance Mode"

In these modes, there are settings that can be changed for the club/facility or country for which the treadmill has been installed. There are also technical settings which determine how the unit will perform.

Engaging Manager Mode

- From the idle screen (unit is powered on but not in a program), press and hold ⓪ , then , ① then ⓄⓀ .

   The word "MANAGER" will temporarily show in the marquee window and then go to the first setting.

Engaging Maintenance Mode

1. From the idle screen (unit is powered on but not in a program), press and hold ⓪ , then ② , then ⓄⓀ .

   The word "MAINTENANCE" will temporarily show in the marquee window, then go to the first setting.

Once in the Engineering Mode:

- will be used to move between the different settings.

- will be used to change the values for the settings.

- The ⓄⓀ saves any changes made or enters into the sub-menus (if applicable).

- STOP PAUSE is used to exit a sub-menus or exit the maintenance mode.

The Maintenance mode has a 30 second time limit after the last key has been hit. After 30 seconds, it will automatically exit the Maintenance Mode.

Note: The Manager Mode has only limited settings to change where the Maintenance Mode contains all available settings. In this document, we will cover the Maintenance Mode settings.

Next to the setting name is a letter ([A]). Each letter represents the type of setting it is.

- **A** The setting can't be changed.
- **B** The setting can be changed manually.
- **C** The setting has fixed options which can be changed.
- **P** The setting is a calibration program.
- **S** The setting contains a sub menu.
- **T** The setting is a test mode.
- **X** Setting must be set to a specific value and not changed.

Maintenance Mode Settings

MC1 [A]	This is the version of the "Primary" software in the display. It will show the version of software as well as the Check Sum number. Example: MC1 *V1.82A CKSM 1F2E*
MC2 [A]	This is the version of the "Secondary" software in the display. It will show the version of software as well as the Check Sum number. Example: MC2 *V1.32A CKSM AFD6*
Serial Number [B]	This is the last five digits of the serial number. It is used for reference only and does not have any warranty implications.
Operating Hours [A]	This is the number of hours the product has been used.
Distance Logged [A]	The number miles (km) that the treadmill has gone.
Units [C]	Shows which unit of measurement is being used. Options are: • English (mph) • Metric (km/h)
Time [B]	The maximum number of minutes that a program can run. The time my may changed by the facility. The range is from 5 – 99.
Weight [B]	The default weight of a user when the 'Quick Start' program is used. This value is used in the calorie count algorithm.
Language [C]	The user interface language. The options are: • Set A – English, Spanish, French, German, Portuguese • Set B – English, Dutch, Swedish, Italian, Katakana
METS [C]	A MET is a "Metabolic Equivalent" which is another way of measuring exercise effort. This option can be turned 'on' or 'off'.
Pause Duration [C]	The amount of seconds that the pause mode will last. The options are: • 30 • 45 • 60 • 90 • 120
Auto Fans [C]	Auto Fans will turn the fans on automatically at after one minute into the work out. This function can be turned 'on' or 'off'.
Elevation [C]	This settings allows the elevation to be turned off (if there were an issue) so users can still run on treadmill. This function can be turned 'on' or 'off'.
Auto Stop [X]	**This option must always be set to OFF.** Turning this option 'on' may cause the running belt to stop on users prematurely.

CSAFE [C]	Allows the CSAFE port to be turned on for external systems like Fitlinxx. This option can be turned 'on' or 'off'.
PVS [C]	Valid only on Version 1 PVS screens.
Lock Out [C]	The lock out function allows the treadmill to be disabled unless the Lock Out ID code is entered. This function can be turned 'on' or 'off'.
Lock Out ID [B]	This is the Lock Out ID code used to make a treadmill functional if the Lock Out is turned on. The default Lock Out ID is 54321. Note: This code can be changed.
Minimum Speed [B]	This determines what the minimum start up speed will be. The range is between .5 mph – 2.0 mph (.8 km/h - 3.2 km/h)
Maximum Speed [B]	This determines what the maximum speed will be. The range is 5.0 mph – 15.0 mph (5.0 km/h – 24.0 km/h)
Acceleration Time [B]	This determines the amount of time, in seconds, that it takes the running belt to go from the minimum speed to the maximum speed. 25 – 60
Deceleration Time [B]	This determines the amount of time, in seconds, that it takes the running belt to go from the maximum speed to stop. 20 – 60
Model [C]	Should be set to the model of the treadmill for which the display is on. This will automatically set some of the key settings to for the model to which it is set.
Date [B]	This should be set to the month and year that the treadmill was manufactured. Example: 12.10 would be December 2010. This is used as a reference only.
Stop Switch [X]	**This must always be set to 'E-STOP'.** If set to 'Lanyard', the treadmill will not function.
Last Deck [B]	This is the number of miles or km since the deck has been flipped or replaced. This is for reference only.
Last Belt [B]	This is the number of miles or km since the running belt has been replaced. This is for reference only.
Program Stats [S]	Programs Stats has a sub-menu containing all the programs and the a counter for how many times each program has been used. Note: Some of the programs listed are not available for all models. The programs are: • Quick Start • Fitness Test • Manual • Firefighter • Alpine Pass • USMC Test • Random Hill • US Army Test • 5K Loop • Navy Test • Dynamic HR • USAF Test • Constant HR
LED Test [T]	This is a test used to verify that all the LED (lights) on the display are operational.
Keypad Test [T]	This is a test used to verify that all the keys are responding on the display.
Heart Rate Test [T]	This is a test used to verify that the contact and/or telemetry heart rate is working.
Serial Port Test	Manufacture test only.
Error Stats [S]	Error Stats has a sub menu containing all the error codes and a counter for how many times each error code has occurred. The errors are: • Key Down • Elevation Stall • Check Motor System • Elevation Range • Check Speed System • Elevation Lost • No Rail Stop • Fuse Bits Error • Speed Change
Last Error List [S]	The Last Error List has a sub menu for the last 5 errors that have occurred on the treadmill as well as other details about how the treadmill was performing at the time of the error.

Calibration Values [S]	Calibration Values has a sub menu of settings that are related specifically to elevation or speed calibration.	
	10 Rev [B]	This the distance (in inches) that the running belt moves for ever ten rotations of the flywheel. This number is critical for accurate speed calculations.
	CNT/RV [X]	This is the number of counts (of the RPM sensor) that equal one revolution of the flywheel (which is 31). This number must never change.
	Minimum PWM [X]	This is the PWM number at the minimum speed. This number is set during motor calibration.
	½ Maximum [X]	This is the PWM number at half the max speed. This number is set during motor calibration.
	Maximum PWM [X]	This the PWM number at the maximum speed. This number is set during motor calibration.
	Person Detect 1 [X]	This setting has no function.
	Person Detect 2 [X]	This setting has no function.
	Person Detect 3 [X]	This setting has no function.
	Elevation Zero [B]	This is the incline value of the elevation motor at 0% elevation.
	Elevation Max [B]	This is the incline value of the elevation motor at max elevation.
Motor Calibration [P]	This is the program that is run to calibrate the drive motor for steady transitions between speeds.	
Elevation Calibration [P]	This is the setting used to calibrate the minimum and maximum calibration values.	
Burn In Mode [X]	Manufacture test only.	
CCB [A]	When a PVS CCB is properly connected, the version of software in the CCB will be display.	
USB [A]	When a PVS CCB is properly connected, the version of software for the USB is displayed.	