

MATRIX

**2016 7XE/7XI
CONSOLE
SERVICE MANUAL**

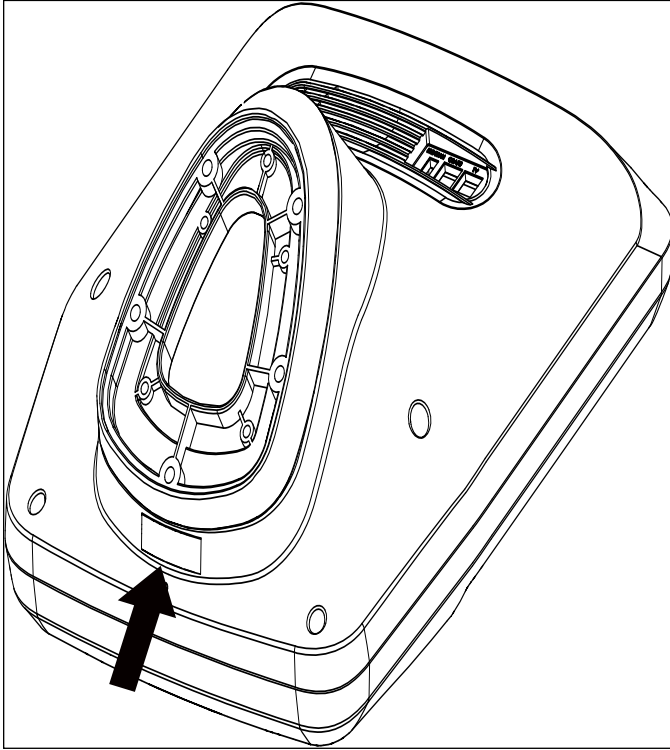
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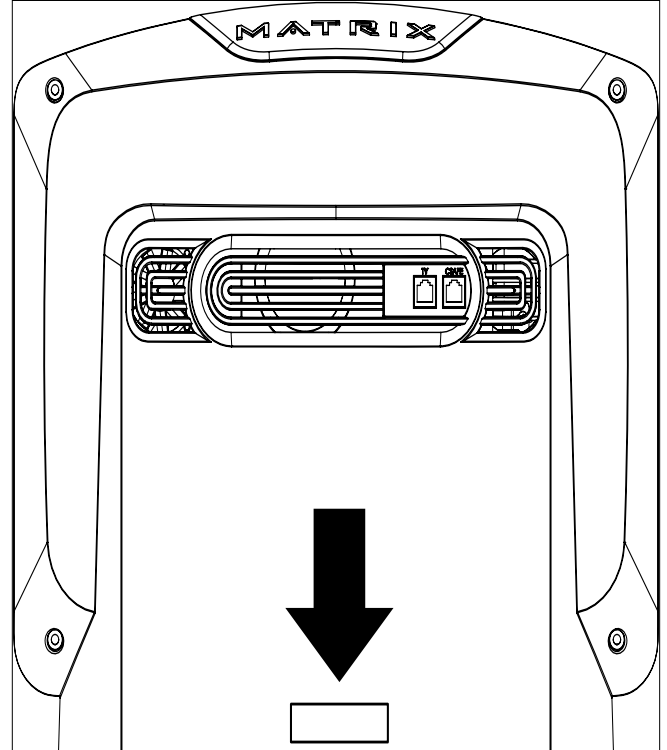
1.1 SERIAL NUMBER LOCATION

CONSOLE SERIAL NUMBER LOCATION

7XE / 7XI



T7XE / T7XI



2.1 ELECTRICAL REQUIREMENTS

DEDICATED CIRCUIT AND ELECTRICAL INFO

A “Dedicated Circuit” means that each outlet you plug into should not have anything else running on that same circuit. The easiest way to verify this is to locate the main circuit breaker box, and turn off the breaker(s) one at a time. Once a breaker has been turned off, the only thing that should not have power to it are the units in question. No lamps, vending machines, fans, sound systems, or any other item should lose power when you perform this test. Non-looped (isolated) neutral/grounding means that each circuit must have an individual neutral/ground connection coming from it, and terminating at an approved earth ground. You cannot “jumper” a single neutral/ground from one circuit to the next.

ELECTRICAL REQUIREMENTS

For your safety and to ensure good unit performance, the ground on this circuit must be non-looped (isolated). Please refer to NEC article 210-21 and 210-23. Any alterations to the standard power cord provided could void all warranties of this product.

The 3x, 5x and 7xe bikes are designed to be self-powered and do not require an external power supply source to operate. Without an external power supply, the console's start-up time may be delayed. Add-on TV's and other console accessories will increase the time needed for start-up. An external power supply will ensure power is provided to the console at all times and is recommended when add-on accessories are used.

For units with an integrated TV (like the 7xe and 7xi), the TV power requirements are included in the unit. An RG6 coaxial cable with 'F Type' compression fittings on each end will need to be connected to the cardio unit and the video source. Additional power requirements are not needed for the add-on digital TV (3x and 5x). For units with an add-on PCTV (3x and 5x), the TV power requirements are separate.

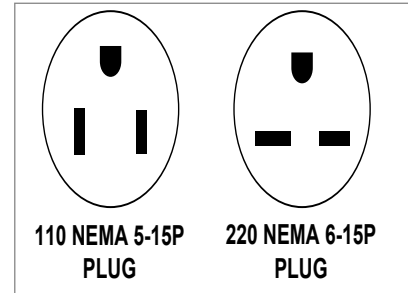
NOTE: ALL UNITS WITH VIRTUAL ACTIVE™ MUST BE POWERED!

110 V UNITS

All Matrix 3x, 5x, 7xe and 7xi 110 V bikes require the use of a 100-125 V, 60 Hz and a 15 A “Dedicated Circuit”, with a non-looped (isolated) neutral/ground for power. This outlet should be a NEMA 5-15R and have the same configuration as the plug. No adapter should be used with this product. These bikes can be daisy-chained together with up to 4 units per 15 A dedicated circuit. Matrix daisy-chain cord adapters are sold separately.

220 V UNITS

All Matrix 3x, 5x, 7xe and 7xi 220 V bikes require the use of a 216-250 V, 50 Hz and a 15 A “Dedicated Circuit”, with a non-looped (isolated) neutral/ground for power. This outlet should be a NEMA 6-15R and have the same configuration as the plug. No adapter should be used with this product. These bikes can be daisy-chained together with up to 4 units per 15 A dedicated circuit. Matrix daisy-chain cord adapters are sold separately.



North American power cord plugs shown.
Depending on your country, the plug type may vary.

GROUNDING INSTRUCTIONS

The unit must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. The unit is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. If the user does not follow these grounding instructions, the user could void the Matrix limited warranty.

ADDITIONAL ELECTRICAL INFO

In addition to the dedicated circuit requirement, the proper gauge wire must be used from the circuit breaker box, to each outlet that will have the maximum number of units running off of it. If the distance from the circuit breaker box to each outlet is 100 ft (30.5 m) or less, then a 12 gauge wire should be used. For distances greater than 100 ft (30.5 m) from the circuit breaker box to the outlet, a 10 gauge wire should be used.

ENERGY SAVING / LOW-POWER MODE

All units are configured with the ability to enter into an energy saving / low-power mode when the unit has not been in use for a specified period of time. Additional time may be required to fully reactivate this unit once it has entered the low-power mode. This energy saving feature may be enabled or disabled from within the 'Manager Mode' or 'Engineering Mode'.

3.1 RECOMMENDED CLEANING TIPS

In order to maximize life span, and minimize down time, all Matrix Fitness Equipment requires regularly scheduled cleaning.

YOU WILL NEED:

- Mild dish soap and water mixture in a spray bottle.
- Lint-free 100% cotton cleaning cloths or Microfiber cleaning cloths.

DAILY:

1. Wipe down the unit after each use with a mild dish soap and water mixture. NOTE: Spray the soap / water mixture onto the cloth. NEVER spray directly onto the equipment. We recommend that you do NOT allow customers to use spray bottles to clean the equipment. If the cleaner is sprayed directly on the equipment or overspray is present, it may cause your equipment to rust and / or cause damage to console overlays.

WEEKLY:

1. With a clean dry 100% lint-free cloth and water / soap mixture, wipe down the entire console area including the hand grips and hand rails.

3.2 CHECK FOR DAMAGED PARTS

DO NOT use any equipment that is damaged or has worn or broken parts. Use only replacement parts supplied by Matrix Fitness Systems.

MAINTAIN LABELS AND NAMEPLATES. Do not remove labels for any reason. They contain important information. If unreadable or missing, contact Matrix Fitness Systems for a replacement. 1-866-693-4863, www.matrixfitness.com

MAINTAIN ALL EQUIPMENT Preventive maintenance is the key to smooth operating equipment. Equipment needs to be inspected at regular intervals. Defective components must be replaced immediately. Improperly working equipment must be kept out of use until it is repaired. Ensure that any person(s) making adjustments or performing maintenance or repair of any kind is qualified to do so. Matrix Fitness Systems will provide service and maintenance training at our corporate facility upon request or in the field if proper arrangements are made.

4.1 CONSOLE DESCRIPTION

e.g. A7XE CONSOLE SHOWN

7XE CONSOLE DESCRIPTION

The Matrix machine is inspected before it is packaged. It is shipped in two pieces: the base and the console. Carefully unpack the unit and dispose of the box material. Note: There is a thin protective sheet of clear plastic on the overlay of the console that should be removed before use.

The 7xe has a fully integrated touch screen display. All information required for workouts is explained on screen. Exploration of the interface is highly encouraged. The information explaining how to program for various workouts will give an explanation about the contents of each screen on the 7xe.



- A) **GO:** One Touch Start.
- B) **STOP** (displayed on-screen during workout): Ends workout and shows workout summary data.
- C) **COOL DOWN** (displayed on-screen during workout): Puts unit into Cool Down mode. Cool Down time is dependent on the workout.

7XE ENTERTAINMENT ZONE

- D) **VOLUME UP/DOWN:** Adjusts the volume output through headphones.
- E) **CHANNEL UP/DOWN:** Allows for channel selection on the integrated console TV.
- F) **HOME:** Will take the user back to the home screen.
- G) **LAST CHANNEL:** Allows the user to cycle between the current channel and the previous channel they were viewing.
- H) **CC/MUTE:** Mutes sound and turns closed captioning on or off.
- I) **DISPLAY MODE:** Allows user to cycle through display modes.
- J) **NUMBER KEYPAD:** Allows for easy number inputs.
- K) **RFID SENSOR:** Wireless login access location (optional add-on feature).

4.1 CONSOLE DESCRIPTION - CONTINUED

e.g. T7XE CONSOLE SHOWN



T7XE CONSOLE DESCRIPTION

The Matrix machine is inspected before it is packaged. It is shipped in two pieces: the base and the console. Carefully unpack the unit and dispose of the box material. Note: There is a thin protective sheet of clear plastic on the overlay of the console that should be removed before use.

The T7xe has a fully integrated touch screen display. All information required for workouts is explained on screen. Exploration of the interface is highly encouraged. The information explaining how to program for various workouts will give an explanation about the contents of each screen on the T7xe.

- A) **GO:** One Touch Start.
- B) **STOP:** Ends workout and shows workout summary data.
- C) **INCLINE TOGGLES:** Adjust incline during workout.
- D) **SPEED TOGGLES:** Adjust speed during workout.
- E) **COOL DOWN:** Puts treadmill into Cool Down mode. Cool Down time is dependent on the length of the workout. Workouts 19 minutes and shorter will have a cool down length of 2 minutes. Workouts 20 minutes and longer will have a cool down length of 5 minutes.
- F) **EMERGENCY STOP / IMMOBILIZATION:** To stop all functions and immobilize the unit. The emergency stop on this treadmill must be returned to its original position in order to allow normal operation of the unit.

T7XE ENTERTAINMENT ZONE

- G) **VOLUME UP/DOWN:** Adjusts the volume output through headphones.
- H) **CHANNEL UP/DOWN:** Allows for channel selection on the integrated console TV.
- I) **HOME:** Will take the user back to the home screen.
- J) **LAST CHANNEL:** Allows the user to cycle between the current channel and the previous channel they were viewing.
- K) **CC/MUTE:** Mutes sound and turns closed captioning on or off.
- L) **DISPLAY MODE:** Allows user to cycle through display modes.
- M) **NUMBER KEYPAD:** Allows for easy number inputs.
- N) **RFID SENSOR:** Wireless login access location (optional add-on feature).

4.1 CONSOLE DESCRIPTION - CONTINUED

e.g. A7XI CONSOLE SHOWN

7XI CONSOLE DESCRIPTION

The Matrix machine is inspected before it is packaged. It is shipped in two pieces: the base and the console. Carefully unpack the unit and dispose of the box material. Note: There is a thin protective sheet of clear plastic on the overlay of the console that should be removed before use.

The 7xi has a fully integrated touch screen display. All information required for workouts is explained on screen. Exploration of the interface is highly encouraged. The information explaining how to program for various workouts will give an explanation about the contents of each screen on the 7xi.

- A) **GO:** One Touch Start.
- B) **STOP** (displayed on-screen during workout): Ends workout and shows workout summary data.
- C) **COOL DOWN** (displayed on-screen during workout): Puts unit into Cool Down mode. Cool Down time is dependent on the workout.

7XI ENTERTAINMENT ZONE

- D) **VOLUME UP/DOWN:** Adjusts the volume output through headphones.
- E) **CHANNEL UP/DOWN:** Allows for channel selection on the integrated console TV.
- F) **HOME:** Will take the user back to the home screen.
- G) **LAST CHANNEL:** Allows the user to cycle between the current channel and the previous channel they were viewing.
- H) **CC/MUTE:** Mutes sound and turns closed captioning on or off.
- I) **DISPLAY MODE:** Allows user to cycle through display modes.
- J) **NUMBER KEYPAD:** Allows for easy number inputs.
- K) **RFID SENSOR:** Wireless login access location (optional add-on feature).



4.1 CONSOLE DESCRIPTION - CONTINUED

e.g. T7XI CONSOLE SHOWN



T7XI CONSOLE DESCRIPTION

The Matrix machine is inspected before it is packaged. It is shipped in two pieces: the base and the console. Carefully unpack the unit and dispose of the box material. Note: There is a thin protective sheet of clear plastic on the overlay of the console that should be removed before use.

The T7xi has a fully integrated touch screen display. All information required for workouts is explained on screen. Exploration of the interface is highly encouraged. The information explaining how to program for various workouts will give an explanation about the contents of each screen on the T7xi.

- A) **GO:** One Touch Start.
- B) **STOP:** Ends workout and shows workout summary data.
- C) **INCLINE TOGGLES:** Adjust incline during workout.
- D) **SPEED TOGGLES:** Adjust speed during workout.
- E) **COOL DOWN:** Puts treadmill into Cool Down mode. Cool Down time is dependent on the length of the workout. Workouts 19 minutes and shorter will have a cool down length of 2 minutes. Workouts 20 minutes and longer will have a cool down length of 5 minutes.
- F) **EMERGENCY STOP / IMMOBILIZATION:** To stop all functions and immobilize the unit. The emergency stop on this treadmill must be returned to its original position in order to allow normal operation of the unit.


T7XI ENTERTAINMENT ZONE

- G) **VOLUME UP/DOWN:** Adjusts the volume output through headphones.
- H) **CHANNEL UP/DOWN:** Allows for channel selection on the integrated console TV.
- I) **HOME:** Will take the user back to the home screen.
- J) **LAST CHANNEL:** Allows the user to cycle between the current channel and the previous channel they were viewing.
- K) **CC/MUTE:** Mutes sound and turns closed captioning on or off.
- L) **DISPLAY MODE:** Allows user to cycle through display modes.
- M) **NUMBER KEYPAD:** Allows for easy number inputs.
- N) **RFID SENSOR:** Wireless login access location (optional add-on feature).



4.2 7XE/7XI CONSOLE OPERATION

7XE/7XI CONSOLE OPERATION


GETTING STARTED

- Touch the **USER** button to sign-in with your XID.
- Touch the **GUEST** button to work out anonymously.
- Touch the **REGISTER** button to create a new XID.
- For help or more information, touch **i**.
- To change language, touch .


USER SIGN-IN

- 1) Enter your **XID** and touch .
- 2) Enter your **PASSCODE** and touch .

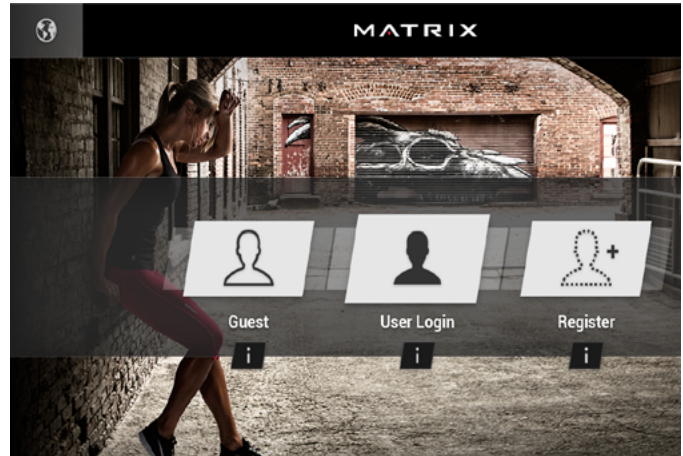


Consoles equipped with RFID will have this symbol in the lower-right corner of the display. To log in, touch your RFID tag to the symbol  located on the bottom right of the console.

REGISTER A NEW USER

- 1) Don't have an xID account? Registration is easy.
- 2) Follow the on-screen prompts to create your free account.
- 3) Review your information and select the **I ACCEPT THE TERMS AND CONDITIONS** box to review the Terms and Conditions.
- 4) Touch  to complete registration. Your account is now active and you are signed in.


LOGIN SCREEN



GO SCREEN

- Touch **GO** to begin working out immediately. Or...
- Touch the **WORKOUT CATEGORY** button of your choice to customize your workout.

PROGRAM SETUP

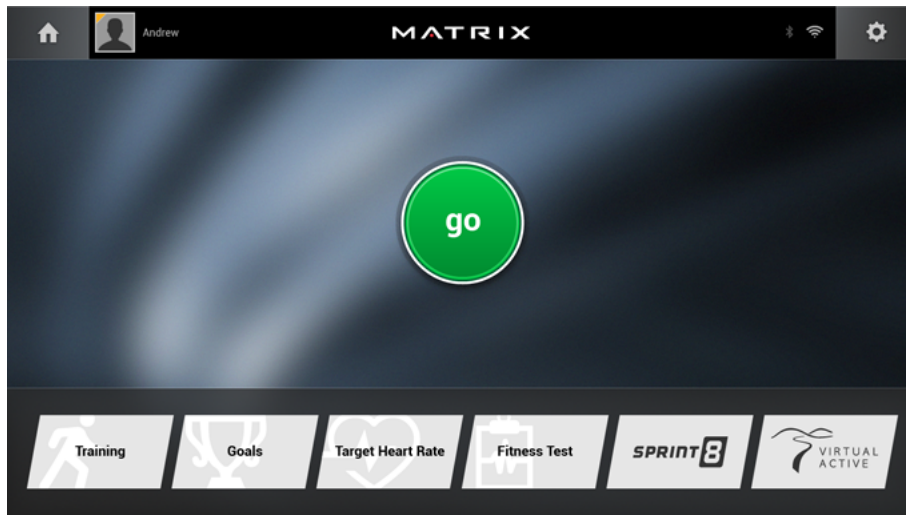
- 1) After selecting a **WORKOUT CATEGORY** button, select one of the **PROGRAMS** listed to the left. For more information on a selected program, touch .
- 2) Use the **SLIDER CONTROLS** to adjust your program settings.
- 3) Press **GO** to begin your workout.

Note: Workouts and features vary based on model type, console configurations, software versions and options purchased.

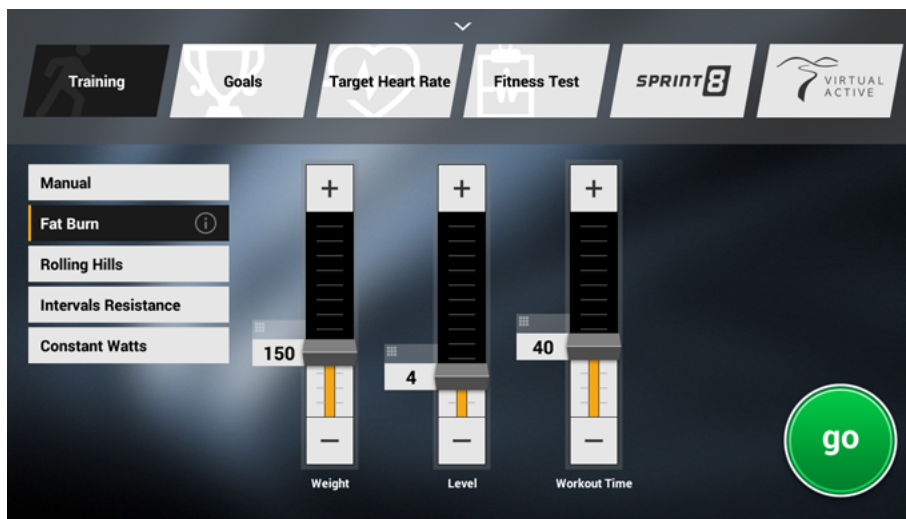
* Supported standards with carrier frequency of 13.56 MHz include; ISO 14443 A, ISO 15693, ISO 14443 B, Sony Felica, Inside Contactless (HID iClass), and LEGIC RF.

4.2 7XE/7XI CONSOLE OPERATION - CONTINUED

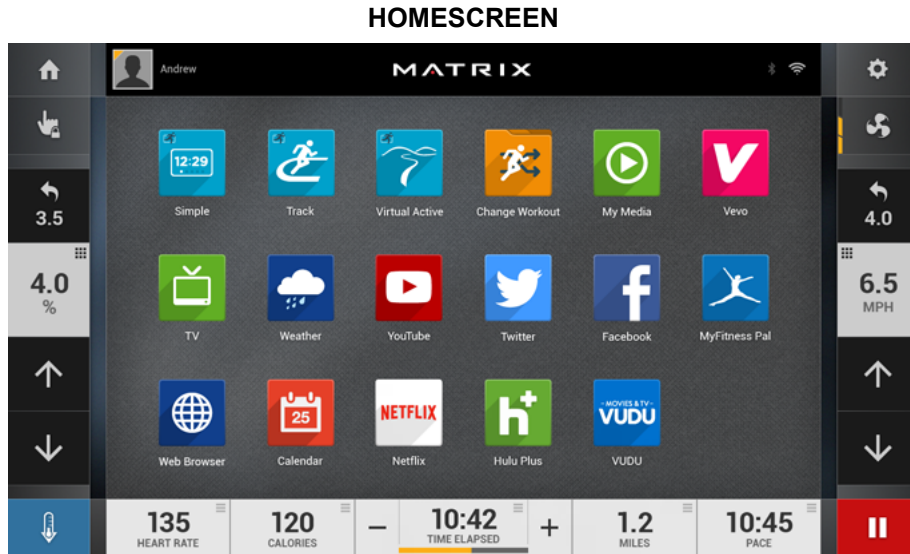
GO SCREEN


















PROGRAM SETUP



Note: Workouts and features vary based on model type, console configurations, software versions and options purchased.













HOMESCREEN











- The **USERNAME** or **GUEST** is shown in the upper left corner.
- Touch  to change **WORKOUT STATISTICS** displayed at the bottom of the screen.
- Touch  to go back to the home screen whenever you're using an app.
- Touch  to adjust **VOLUME**, pair a **BLUETOOTH** device or to change **AUDIO SOURCE** (TV, My Media, Virtual Active, etc.).
- Touch   to increase or decrease the intensity level, speed or incline.
- Touch  to use the keypad to set intensity level, speed or incline. Press  to confirm change.
- Touch  to change intensity level, speed or incline back to previous setting.
- Touch  to temporarily pause your workout and touch  to resume. NOTE: After resuming, speed, incline and intensity levels will be reset.
- While paused, touch  to end workout.
- Touch  to increase or decrease the duration of your workout.
- Touch  to enter cool down mode. Cool down lasts for a few minutes while reducing the workout intensity, allowing your body to recover from your workout.
- Touch  to lock the screen in order to prevent accidental screen touches from being implemented. Touch it again to unlock the screen and allow screen touches.
- Touch  to turn the fan on. There are three fan speeds (low, medium, high).

Note: Workouts and features vary based on model type, console configurations, software versions and options purchased.

4.2 7XE/7XI CONSOLE OPERATION - CONTINUED

APPS AND ENTERTAINMENT

	SIMPLE Workout stats are displayed in 3 customizeable windows.
	TRACK Displays a 400 M (1/4 MILE) track. Split feature allows you to keep track of your fastest laps and improve your time.
	VIRTUAL ACTIVE Your workout info is displayed and Virtual Active courses are shown. With Virtual Active, escape the confines of an ordinary workout as you or walk or run through exotic destinations.
	TARGET HEART RATE Track your progress while working out to a Target Heart Rate program.
	CONSTANT WATTS Track your progress while working out to a Constant Watts program.
	FITNESS TEST Track your progress while working out to a Fitness Test program.
	LANDMARKS Track your progress while working out to a Landmarks program.
	SPRINT 8 Track your progress while working out to a Sprint 8 program.
	CHANGE WORKOUT Select a different workout without stopping your current workout.
	MY MEDIA Connect and control audio and video files on-screen via USB port or Bluetooth.
	TV Watch live TV.

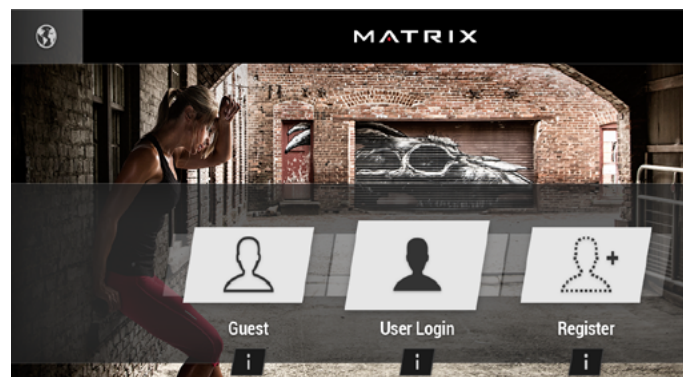
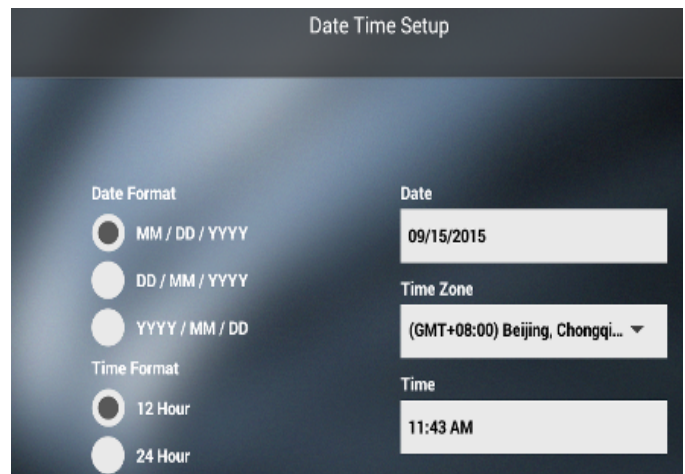
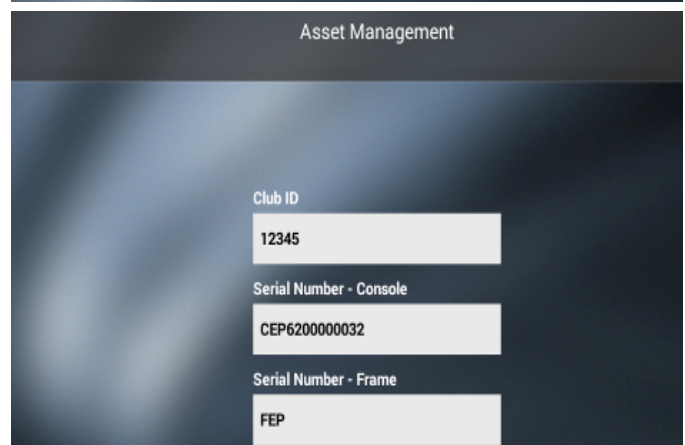
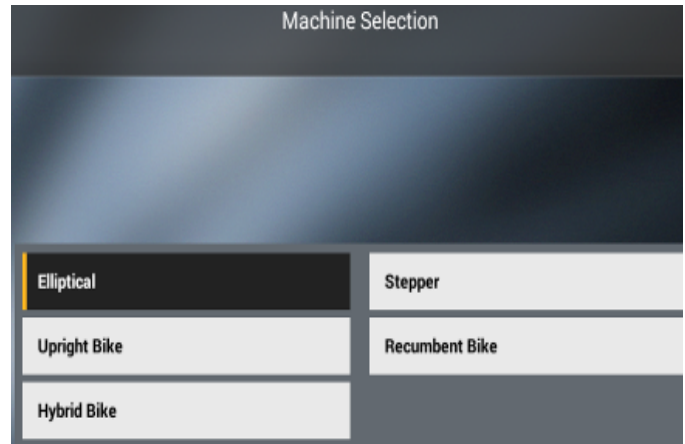
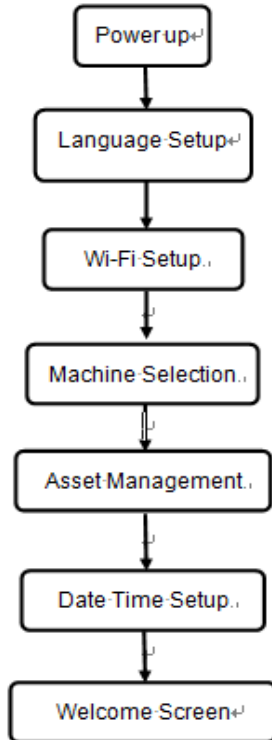
	WEATHER Get local weather info.
	WEB BROWSER Access the world wide web while you work out.
	FACILITY CALENDAR View Facility event schedule and other info.
	YOUTUBE Browse and watch YouTube videos while you work out.
	FACEBOOK Browse your Facebook page while you work out.
	TWITTER Access your Twitter feed while you work out.
	NETFLIX Browse and watch Netflix videos while you work out. Netflix account required to access content.
	HULU PLUS Browse and watch Hulu Plus videos while you work out. Hulu Plus account required to access content.
	VEVO Browse and watch Vevo videos while you work out. Vevo account required to access content.
	VUDU Browse and watch Vudu videos while you work out. Vudu account required to access content.
	MYFITNESS PAL Lose weight with MyFitnessPal, the fastest and easiest to use calorie counter.

Note: Workouts and features vary based on model type, console configurations, software versions and options purchased.

4.2 7XE/7XI CONSOLE OPERATION - CONTINUED

FIRST TIME SETUP SCREENS

To enter "Restore Factory Defaults" setting, press "ENTER, 3, 0, 0, 2, ENTER" on the number keypad and Factory Defaults setting will appear on the display.



4.2 7XE/7XI CONSOLE OPERATION - CONTINUED

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

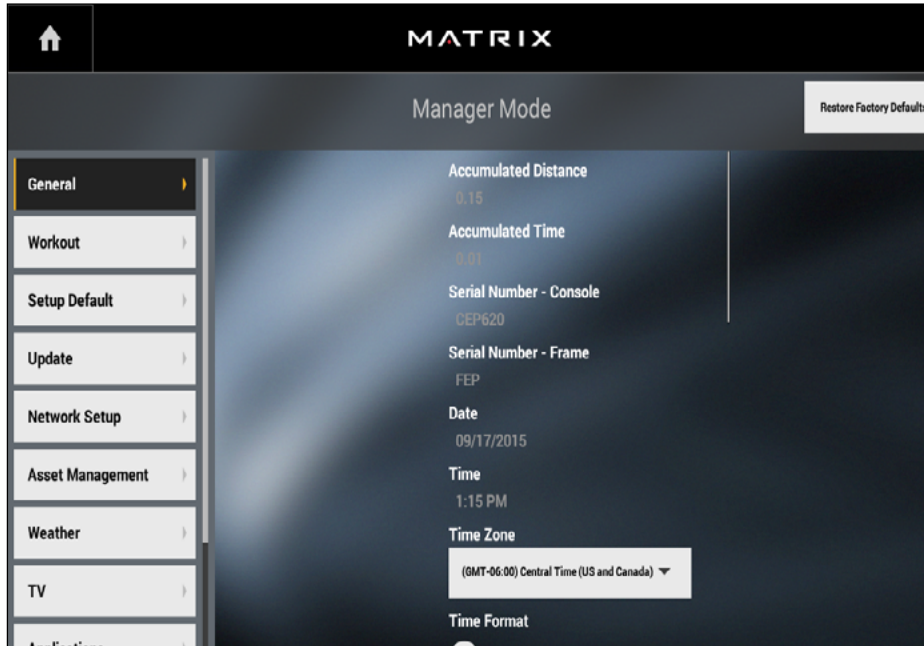
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

5.1 USING MANAGER MODE



- 1) To enter Manager Mode, press "ENTER, 1, 0, 0, 1, ENTER" on the number keypad and Manager Mode will appear on the display.
- 2) Manager Mode is divided into 9 tabs, located on the left side of the screen. They are General, Workout, Setup Defaults, Network Setup, Asset Management, Weather, TV, Applications, Hardware and Service.
- 3) Choose a tab by touching the screen over the desired tab.
- 4) Each of the tabs has options that will appear once you have chosen that particular tab.
- 5) Press the "HOME" button or the EMERGENCY STOP to exit Manager Mode.

CHAPTER 5: MANAGER MODE

5.2 MANAGER MODE OVERVIEW

Category	Name	Models	Default	Range	Units
General	Accumulated Time	TACSEHUR	0	-	Hours
	Accumulated Distance	TACSEHUR	0	-	(TAEHU)Miles/Km (CS)Floors
	Serial Number - Console	TACSEHUR	Prefix+(Type) +YYMM00000	YYMMxxxxx	-
	Serial Number - Frame	TACSEHUR	Prefix+(Type) +YYMM00000	YYMMxxxxx	-
	Date	TACSEHUR	RTC Date	2000-2099/01 -12/01-31	-
	Time	TACSEHUR	RTC Time	00-23:00-59:00-59	12hr/24hr
	Time Zone	TACSEHUR	Central Time	-	-
	Time Format	TACSEHUR	12 Hour	12 Hour, 24 Hour	-
	Screen Timeout	TACSEHUR	30	15-120, Never	Seconds
	Software Version History	TACSEHUR	-	-	-
	Firmware Versions	TACSEHUR	-	-	-
	Language Setup	TACSEHUR	English (U.S.)	See Languages Table	-
	Social Network Post	TACSEHUR	"I just exercised for [time] on a Matrix Fitness 7xi"	-	-
Workouts	Keyboard Disable Threshold	T	2.0MPH/3.2KPH	Machine Minimum - 4.0MPH/6.4KPH	MPH/KPH
	Maximum Workout Time	TACSEHUR	60	10-120	Minutes
	Maximum Workout Calories	TACSEHUR	10000	50-10000	Calories
	Maximum Workout Distance	TAEHUR	31.1Mile/50Km	(T)0.6-61.5Mile/1-99Km (AEHUR) 0.6-31.1Mile/1-50Km	Miles/Km
	Maximum Workout Floors	CS	200 Floors	15-200 Floors	Floors -
	Maximum Level	C	20	10-25	-
	E-Stop Enable	C	TRUE	True/False	-
	E-Stop Sensitivity	C	100	4-400	-
	Pause Time	TACSEHUR	5	1-10	Minutes
	Maximum Speed	T	12	3.1-15.0	MPH/KPH
	Start Speed	T	0.5	0.5-1.4	MPH/KPH
	Maximum Incline	TA	(T)15 / (A)100	(T)1.0-15.0 / (A)1-100	(T)% Grade / (A)%
	Elevation	TA	(T)Below 5000 eet (A) 0	(T)Above/Below (A) 0-10000	Feet
	Cooldown Time	TACSEHUR	5	1-20	Minutes
Maximum Cool Down Adjustment Time	TACSEHUR	5	1-20	Minutes	

CHAPTER 5: MANAGER MODE

5.2 MANAGER MODE OVERVIEW

Category	Name	Models	Default	Range	Units
Setup Default	Level	TASEHUR	1	(TSEHUR)1-20 (A)1-25	-
	Age	TACSEHUR	30	10-99	Years
	Weight	TACSEHUR	150lbs/68kg	(THUR)50-400lbs/22-182kg (AE)44-440lbs/20-200kg (CS) 80-400lbs/36-182kg	lbs/kg
	Height	TC	70in/173cm	40-90in/101-228cm	in/cm
	Gender	TACSEHUR	Male	Male/Female	-
	Default Workout Time	TACSEHUR	30	5-Max	Minutes
	Default Workout Calories	TACSEHUR	300	50-Max	Calories
	Default Workout Distance	TAEHUR	3.1Mile/5.0Km	0.1-Max (Mile and Km)	Miles/Km
	Default Workout Floors	CS	20	15-Max	Floors
	Default Workout Incline	A	0	0-Max	%
	Default Web page	TACSEHUR	http://www.google.com	-	-
Update	Automatic Update	TACSEHUR	Check	Check/No Check	-
	Update From USB	TACSEHUR	Update From USB	Update From USB/Install	-
	Check For Updates	TACSEHUR	-	Check For Updates/Install	-
Network Setup	Wifi Mac Address	TACSEHUR	-	-	-
	Ethernet Mac Address	TACSEHUR	-	-	-
	Wi-fi Setup	TACSEHUR	-	-	-
	Ethernet Setup	TACSEHUR	-	-	-
Asset Management	Facility ID	TACSEHUR	0	0-10000	-
	Serial Number - Console	TACSEHUR	C(for Console) + Prefix(Type) + Derivative Model(A-Z, AA, etc.) +YYMMXXXXX	-	-
	Serial Number - Frame	TACSEHUR	F (for Frame) + Prefix (Type)+ Derivative Model (A-Z, AA,etc.) + YYMMXXXXX	-	-
	Asset Management	TACSEHUR	No	Yes/No	-
	Workout Tracking	TACSEHUR	No	Yes/No	-
	RFID Module Installed	TACSEHUR	No	Yes/No	-
	Upload Custom Theme	TACSEHUR	-	-	-
	Show Custom logo	TACSEHUR	No	Yes/No	-
	Custom Welcome Screen	TACSEHUR	No	Yes/No	-
Custom Background color	TACSEHUR	No	Yes/No	-	
Show workout Background	TACSEHUR	Production	Dev, QA, Staging, Production	-	

CHAPTER 5: MANAGER MODE

5.2 MANAGER MODE OVERVIEW - CONTINUED

Category	Name	Models	Default	Range	Units
Weather	Enable Alerts	TACSEHUR	Check	Check/No Check	-
TV (Coaxial)	Tuner Type	TACSEHUR	Main	Main, Brazil, Japan	-
	Connection Type	TACSEHUR	Antenna	Antenna/Cable	-
	Country	TACSEHUR	United States	-	Countries
	Source	TACSEHUR	ATSC	ATSC, QAM, Analog	-
	Start Channel	TACSEHUR	2	0-1000	-
	Default Channel	TACSEHUR	3	1.00-1000.00	Channels
	Show TV Channel List	TACSEHUR	No	Yes/No	-
	Aspect Ratio Mode	TACSEHUR	Auto	Auto/Fill	-
	Over Scan Size	TACSEHUR	0	0-20	-
	Channel Button Setup	TACSEHUR	None/Channel 3 + 'Name' + TV Icon	Channel Number: 1-999	-
	Channel Order	TACSEHUR	-	-	-
	Stop Channel	TACSEHUR	100	0-1000	-
TV (Coaxial Japan)	TV Channel Setup (Control)	TACSEHUR	-	Up, Down, Left, Right, Confirm, Scan, Menu, Exit	View input on mini screen.
	Default Channel	TACSEHUR	3	1.00-1000.00	Channels
IPTV (Without Set Top Box)	IPTV Channel Setup	TACSEHUR	None/Channel 1 + 'Name'	Source, Name, Icon	IP Address
	Over Scan Size	TACSEHUR	0	0-20	-
	Default Channel	TACSEHUR	3	-	Channels
	Use SAP Channel	TACSEHUR	No Check	Check/No Check	-
IPTV (With Set Top Box)	IPTV HDMI Show Remote	TACSEHUR	No	Yes/No	-
	Over Scan Size	TACSEHUR	0	0-20	-
	IPTV Set Top Box Setup	TACSEHUR	None	Enseo-3300_RAW IBT-1283VOD LG_STB-2000_RAW	-
IPTV (HDMI over IP)	Over Scan Size	TACSEHUR	0	0-20	-
	IPTV Set Top Box Setup	TACSEHUR	None	Enseo-3300_RAW IBT-1283VOD LG_STB-2000_RAW	-
	IPTV HDMI over IP Setup	TACSEHUR	Broadcast	Broadcast	-
	IPTV HDMI over IP Setup	TACSEHUR	Connect	Connect	-
	Direct Connect	TACSEHUR	No	Yes/No	-
	Enable ErP	TACSEHUR	No	Yes/No	-
	Enable SSL	TACSEHUR	Yes	Yes/No	-
	IPTV HDMI Show Remote	TACSEHUR	No	Yes/No	-
	Enable Predefined Commands	TACSEHUR	No	Yes/No	-
	IPTV HDMI Bitrate	TACSEHUR	4M	4M, 6M, 8M, 10M, 12M	Mbps
	HDMI over IP Command List Setup	TACSEHUR	-	-	-

CHAPTER 5: MANAGER MODE

5.2 MANAGER MODE OVERVIEW - CONTINUED

Category	Name	Models	Default	Range	Units
CAB	Default TV Channel	TACSEHUR	3	-	Channels
	TV Channel Setup	TACSEHUR	-	Up, Down, Confirm	View input on mini screen.
TV(Pro:Idiom)	Default TV Channel	TACSEHUR	3	-	Channels
	Tuner Type	TACSEHUR	CVBS	HDMI / CVBS	
Applications	Application Setup	TACSEHUR	Show	Move, Hide/Make Inactive, Locked	-
Hardware	RFID Module Installed	TACSEHUR	No Check	Check/No Check	-
	Backlight Brightness	TACSEHUR	40	0-100	-
	Master Volume	TACSEHUR	30	0-30	-
	Headphone Insertions	TACSEHUR	0	-	-
	Headphone Removals	TACSEHUR	0	-	-
	ErP	TACSEHUR	Check	Check/No Check	-
	ErP Timeout	TACSEHUR	30	1-60	Minutes
	Play Key Sound	TACSEHUR	Check	Check/No Check	-
	Play Workout Countdown Sound	TACSEHUR	Check	Check/No Check	-
	Ignore Incline Error	TACSEHUR	Check	Check/No Check	-
	Ignore B Level Error	TACSEHUR	Check	Check/No Check	-
	LCM Test	TACSEHUR	Write Test Pattern	-	-
	LCM Version	TACSEHUR	-	-	-
	Small LCD Reversed	TACSEHUR	No	Yes/No	-
	Default Command Expired Seconds	TACSEHUR	5	3-15	Seconds
	CSAFE	-	-	-	-
Remote TV Default Channel	-	Disable	Disable / Enable	-	
Service	Service History	TACSEHUR	-	-	-

6.1 USING ENGINEERING MODE



- 1) To enter Engineering Mode, press "ENTER, 2, 0, 0, 1, ENTER" on the number keypad and Manager Mode will appear on the display.
- 2) Engineering Mode is divided into 9 tabs, located on the left side of the screen. They are General, Workout, Setup Defaults, Update, Network Setup, Asset Management, Weather, TV, Applications, Calibration, Hardware, Service and Errors.
- 3) Choose a tab by touching the screen over the desired tab.
- 4) Each of the tabs has options that will appear once you have chosen that particular tab.
- 5) Press the "HOME" button or the EMERGENCY STOP to exit Engineering Mode.

CHAPTER 6: ENGINEERING MODE

6.2 ENGINEERING MODE OVERVIEW

Category	Name	Models	Default	Range	Units
General	Accumulated Time	TACSEHUR	0	-	Hours
	Accumulated Distance	TACSEHUR	0	-	(TAEHU) Miles/Km (CS) Floors
	Serial Number - Console	TACSEHUR	Prefix+(Type) +YYMM00000	YYMMxxxxx	-
	Serial Number - Frame	TACSEHUR	Prefix+(Type) +YYMM00000	YYMMxxxxx	-
	Demo mode	TACSEHUR	Check	Yes/No	
	Out of order	TACSEHUR	Check	Yes/No	
	Date	TACSEHUR	RTC Date	2000-2099/01 -12/01-31	-
	Time	TACSEHUR	RTC Time	00-23:00-59:00-59	12hr/24hr
	Time Zone	TACSEHUR	Central Time	-	-
	Time Format	TACSEHUR	12 Hour	12 Hour, 24 Hour	-
	Screen Timeout	TACSEHUR	30	15-120, Never	Seconds
	Software Version History	TACSEHUR	-	-	-
	Firmware Versions	TACSEHUR	-	-	-
	Show Setup Wizard	TACSEHUR	Check	Yes/No	
	Language Setup	TACSEHUR	English (U.S.)	See Languages Table	-
	Social Network Post	TACSEHUR	"I just exercised for [time] on a Matrix Fitness 7xi"	-	-
Dapi Environment	TACSEHUR	Production	-	-	
Workouts	Keyboard Disable Threshold	T	2.0MPH/3.2KPH	Machine Minimum - 4.0MPH/6.4KPH	MPH/KPH
	Maximum Workout Time	TACSEHUR	60	10-120	Minutes
	Maximum Workout Calories	TACSEHUR	10000	50-10000	Calories
	Maximum Workout Distance	TAEHUR	31.1Mile/50Km	(T)0.6-61.5Mile/1-99Km (AEHUR) 0.6-31.1Mile/1-50Km	Miles/Km
	Maximum Workout Floors	CS	200 Floors	15-200 Floors	Floors -
	Maximum Level	C	20	10-25	-
	E-Stop Enable	C	TRUE	True/False	-
	E-Stop Sensitivity	C	100	4-400	-
	Pause Time	TACSEHUR	5	1-10	Minutes
	Maximum Speed	T	12	3.1-15.0	MPH/KPH
	Start Speed	T	0.5	0.5-1.4	MPH/KPH
	Maximum Incline	TA	(T)15/(A)100	(T)1.0-15.0/(A)1-100	(T)% Grade/(A)%
	Elevation	TA	(T) Below 5000 eet (A) 0	(T) Above/Below (A) 0-10000	Feet
	Tread Sense Timeout	T	Disable	30, 60, 90, Disable	-
	Cooldown Time	TACSEHUR	5	1-20	Minutes
Maximum Cool Down Adjustment Time	TACSEHUR	5	1-20	Minutes	

CHAPTER 6: ENGINEERING MODE

6.2 ENGINEERING MODE OVERVIEW - CONTINUED

Category	Name	Models	Default	Range	Units
Setup Default	Level	TASEHUR	1	(TSEHUR)1-20 (A)1-25	-
	Age	TACSEHUR	30	10-99	Years
	Weight	TACSEHUR	150lbs/68kg	(THUR)50-400lbs/22-182kg (AE)44-440lbs/20-200kg (CS) 80-400lbs/36-182kg	lbs/kg
	Height	TC	70in/173cm	40-90in/101-228cm	in/cm
	Gender	TACSEHUR	Male	Male/Female	-
	Default Workout Time	TACSEHUR	30	5-Max	Minutes
	Default Workout Calories	TACSEHUR	300	50-Max	Calories
	Default Workout Distance	TAEHUR	3.1Mile/5.0Km	0.1-Max (Mile and Km)	Miles/Km
	Default Workout Floors	CS	20	15-Max	Floors
	Default Workout Incline	A	0	0-Max	%
	Default Web page	TACSEHUR	http://www.google.com	-	-
Update	Automatic Update	TACSEHUR	Check	Check/No Check	-
	Update From USB	TACSEHUR	Update From USB	Update From USB/Install	-
	Check For Updates	TACSEHUR	-	Check For Updates/Install	-
Network Setup	Wifi Mac Address	TACSEHUR	-	-	-
	Ethernet Mac Address	TACSEHUR	-	-	-
	Wi-fi Setup	TACSEHUR	-	-	-
	Ethernet Setup	TACSEHUR	-	-	-
Asset Management	Facility ID	TACSEHUR	0	0-10000	-
	Serial Number - Console	TACSEHUR	C(for Console) + Prefix(Type) + Derivative Model(A-Z, AA, etc.) +YYMMXXXXX	-	-
	Serial Number - Frame	TACSEHUR	F (for Frame) + Prefix (Type)+ Derivative Model (A-Z, AA,etc.) + YYMMXXXXX	-	-
	Asset Management	TACSEHUR	No	Yes/No	-
	Workout Tracking	TACSEHUR	No	Yes/No	-
	RFID Module Installed	TACSEHUR	No	Yes/No	-
	Upload Custom Theme	TACSEHUR	-	-	-
	Show Custom logo	TACSEHUR	No	Yes/No	-
	Custom Welcome Screen	TACSEHUR	No	Yes/No	-
Custom Background color	TACSEHUR	No	Yes/No	-	
Show workout Background	TACSEHUR	Production	Dev, QA, Staging, Production	-	

CHAPTER 6: ENGINEERING MODE

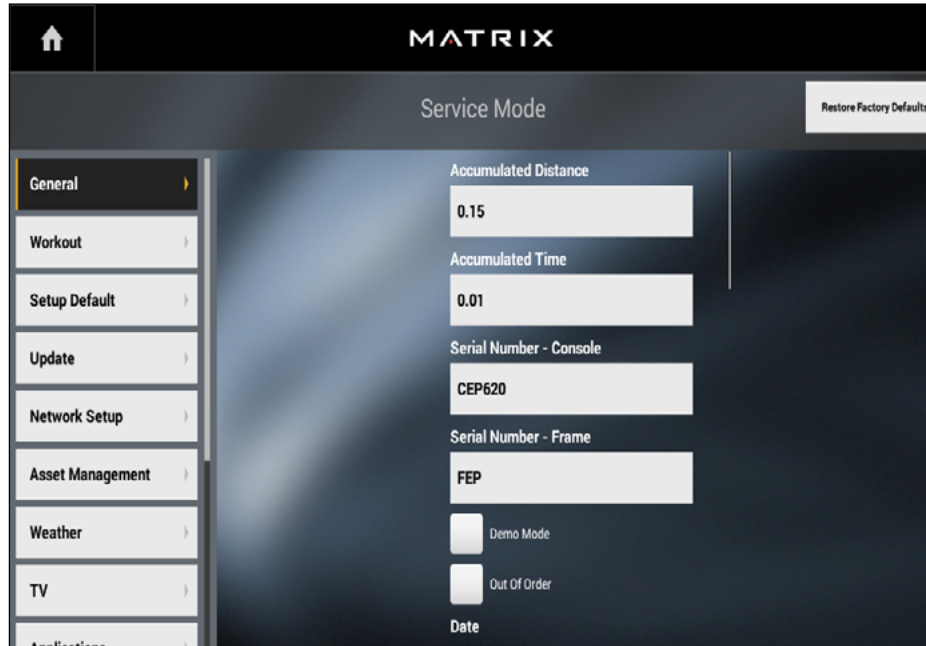
6.2 ENGINEERING MODE OVERVIEW - CONTINUED

Category	Name	Models	Default	Range	Units
Weather	Enable Alerts	TACSEHUR	Check	Check/No Check	-
TV (Coaxial)	Tuner Type	TACSEHUR	Main	Main, Brazil, Japan	-
	Connection Type	TACSEHUR	Antenna	Antenna/Cable	-
	Country	TACSEHUR	United States	-	Countries
	Source	TACSEHUR	ATSC	ATSC, QAM, Analog	-
	Start Channel	TACSEHUR	2	0-1000	-
	Default Channel	TACSEHUR	3	1.00-1000.00	Channels
	Show TV Channel List	TACSEHUR	No	Yes/No	-
	Aspect Ratio Mode	TACSEHUR	Auto	Auto/Fill	-
	Over Scan Size	TACSEHUR	0	0-20	-
	Channel Button Setup	TACSEHUR	None/Channel 3 + 'Name' + TV Icon	Channel Number: 1-999	-
	Channel Order	TACSEHUR	-	-	-
	Stop Channel	TACSEHUR	100	0-1000	-
TV (Coaxial Japan)	TV Channel Setup (Control)	TACSEHUR	-	Up, Down, Left, Right, Confirm, Scan, Menu, Exit	View input on mini screen.
	Default Channel	TACSEHUR	3	1.00-1000.00	Channels
IPTV (Without Set Top Box)	IPTV Channel Setup	TACSEHUR	None/Channel 1 + 'Name'	Source, Name, Icon	IP Address
	Over Scan Size	TACSEHUR	0	0-20	-
	Default Channel	TACSEHUR	3	-	Channels
	Use SAP Channel	TACSEHUR	No Check	Check/No Check	-
IPTV (With Set Top Box)	IPTV HDMI Show Remote	TACSEHUR	No	Yes/No	-
	Over Scan Size	TACSEHUR	0	0-20	-
	IPTV Set Top Box Setup	TACSEHUR	None	Enseo-3300_RAW IBT-1283VOD LG_STB-2000_RAW	-
IPTV (HDMI over IP)	Over Scan Size	TACSEHUR	0	0-20	-
	IPTV Set Top Box Setup	TACSEHUR	None	Enseo-3300_RAW IBT-1283VOD LG_STB-2000_RAW	-
	IPTV HDMI over IP Setup	TACSEHUR	Broadcast	Broadcast	-
	IPTV HDMI over IP Setup	TACSEHUR	Connect	Connect	-
	Direct Connect	TACSEHUR	No	Yes/No	-
	Enable ErP	TACSEHUR	No	Yes/No	-
	Enable SSL	TACSEHUR	Yes	Yes/No	-
	IPTV HDMI Show Remote	TACSEHUR	No	Yes/No	-
	Enable Predefined Commands	TACSEHUR	No	Yes/No	-
	IPTV HDMI Bitrate	TACSEHUR	4M	4M, 6M, 8M, 10M, 12M	Mbps
	HDMI over IP Command List Setup	TACSEHUR	-	-	-

6.2 ENGINEERING MODE OVERVIEW - CONTINUED

Category	Name	Models	Default	Range	Units
CAB	Default TV Channel	TACSEHUR	3	-	Channels
	TV Channel Setup	TACSEHUR	-	Up, Down, Confirm	View input on mini screen.
TV(Pro:Idiom)	Default TV Channel	TACSEHUR	3	-	Channels
	Tuner Type	TACSEHUR	CVBS	HDMI / CVBS	-
Applications	Application Setup	TACSEHUR	Show	Move, Hide/Make Inactive, Locked	-
Calibration	Key test	TACSEHUR	-	-	-
	Calibration	TA	Calibrate	Calibrate	-
	Run machine	TACSEHUR	-	-	-
Hardware	RFID Module Installed	TACSEHUR	No Check	Check/No Check	-
	Backlight Brightness	TACSEHUR	40	0-100	-
	Master Volume	TACSEHUR	30	0-30	-
	Headphone Insertions	TACSEHUR	0	-	-
	Headphone Removals	TACSEHUR	0	-	-
	ErP	TACSEHUR	Check	Check/No Check	-
	ErP Timeout	TACSEHUR	30	1-60	Minutes
	Play Key Sound	TACSEHUR	Check	Check/No Check	-
	Play Workout Countdown Sound	TACSEHUR	Check	Check/No Check	-
	Ignore Incline Error	TACSEHUR	Check	Check/No Check	-
	Ignore B Level Error	TACSEHUR	Check	Check/No Check	-
	LCM Test	TACSEHUR	Write Test Pattern	-	-
	LCM Version	TACSEHUR	-	-	-
	Small LCD Reversed	TACSEHUR	No	Yes/No	-
	Default Command Expired Seconds	TACSEHUR	5	3-15	Seconds
	CSAFE	-	-	-	-
Remote TV Default Channel	-	Disable	Disable/Enable	-	
Service	Service History	TACSEHUR	-	-	-
Errors	Error Code History	TACSEHUR	-	-	-

7.1 USING SERVICE MODE



- 1) To enter Service Mode, press "ENTER, 3, 0, 0, 1, ENTER" on the number keypad and Service Mode will appear on the display.
- 2) Service Mode is divided into 9 tabs, located on the left side of the screen. They are General, Workout, Setup Defaults, Network Setup, Asset Management, Weather, TV, Applications, Hardware and Service.
- 3) Choose a tab by touching the screen over the desired tab.
- 4) Each of the tabs has options that will appear once you have chosen that particular tab.
- 5) Press the "HOME" button or the EMERGENCY STOP to exit Service Mode.

CHAPTER 7: SERVICE MODE

7.2 SERVICE MODE OVERVIEW

Category	Name	Models	Default	Range	Units
General	Screen Timeout	TACSEHUR	30	15-120, Never	Seconds
	Accumulated Time	TACSEHUR	0	-	Hours
	Accumulated Distance	TACSEHUR	0	-	(TAEHU)Miles/Km (CS)Floors
	Serial Number - Console	TACSEHUR	Prefix+(Type) +YYMM00000	YYMMxxxxx	-
	Serial Number - Frame	TACSEHUR	Prefix+(Type) +YYMM00000	YYMMxxxxx	-
	Date	TACSEHUR	RTC Date	2000-2099/01 -12/01-31	-
	Out of Order	TACSEHUR	No	Yes/No	-
	Demo Mode	TACSEHUR	No	Yes/No	-
	Time	TACSEHUR	RTC Time	00-23:00-59:00-59	12hr/24hr
	Time Format	TACSEHUR	12 Hour	12 Hour, 24 Hour	-
	Time Zone	TACSEHUR	Central Time	-	-
	Software Version History	TACSEHUR	-	-	-
	Firmware Versions	TACSEHUR	-	-	-
	Show Setup Wizard	TACSEHUR	No	Yes/No	-
	Language Setup	TACSEHUR	English (U.S.)	See Languages Table	-
	Social Network Post	TACSEHUR	"I just exercised for [time] on a Matrix Fitness 7xi"	-	-
Workouts	Keyboard Disable Threshold	T	2.0MPH/3.2KPH	Machine Minimum - 4.0MPH/6.4KPH	MPH/KPH
	Maximum Workout Time	TACSEHUR	60	10-120	Minutes
	Maximum Workout Calories	TACSEHUR	10000	50-10000	Calories
	Maximum Workout Distance	TAEHUR	31.1Mile/50Km	(T) 0.6-61.5Mile/1-99Km (AEHUR) 0.6-31.1Mile/1-50Km	Miles/Km
	Maximum Workout Floors	CS	200 Floors	15-200 Floors	Floors -
	Maximum Level	C	20	10-25	-
	E-Stop Enable	C	TRUE	True/False	-
	E-Stop Sensitivity	C	100	4-400	-
	Pause Time	TACSEHUR	5	1-10	Minutes
	Maximum Speed	T	12	3.1-15.0	MPH/KPH
	Start Speed	T	0.5	0.5-1.4	MPH/KPH
	Maximum Incline	TA	(T)15 / (A)100	(T)1.0-15.0/(A)1-100	(T)% Grade/(A)%
	Elevation	TA	(T)Below 5000 Feet (A) 0	(T) Above/Below (A) 0-10000	Feet
	Minimum Cooldown Time	TACSEHUR	2	1-5	Minutes
	Maximum Cooldown Time	TACSEHUR	5	5-10	Minutes
	Maximum Cool Down Adjustment Time	TACSEHUR	5	1-20	Minutes

CHAPTER 7: SERVICE MODE

7.2 SERVICE MODE OVERVIEW - CONTINUED

Category	Name	Models	Default	Range	Units
Setup Default	Level	TASEHUR	1	(TSEHUR) 1-20 (A)1-25	-
	Age	TACSEHUR	30	10-99	Years
	Weight	TACSEHUR	150lbs/68kg	(THUR) 50-400lbs/22-182kg (AE) 44-440lbs/20-200kg (CS) 80-400lbs/36-182kg	lbs/kg
	Height	C	70in/173cm	40-90in/101-228cm	in/cm
	Gender	TACSEHUR	Male	Male/Female	-
	Default Workout Time	TACSEHUR	30	5-Max	Minutes
	Default Workout Calories	TACSEHUR	300	50-Max	Calories
	Default Workout Distance	TAEHUR	3.1Mile/5.0Km	0.1-Max (Mile and Km)	Miles/Km
	Default Workout Floors	CS	20	15-Max	Floors
	Default Workout Incline	A	0	0-Max	%
	Default Web page	TACSEHUR	http://www.google.com	-	-
Update	Automatic Update	TACSEHUR	Check	Check/No Check	-
	Update From USB	TACSEHUR	Update From USB	Update From USB/Install	-
	Check For Updates	TACSEHUR	Check For Updates	Check For Updates/Install	-
Network Setup	Wifi Mac Address	TACSEHUR	-	-	-
	Ethernet Mac Address	TACSEHUR	-	-	-
	Wi-fi Setup	TACSEHUR	-	-	-
	Ethernet Setup	TACSEHUR	-	-	-
	Proxy Setup	TACSEHUR	-	-	-
Asset Management	Facility ID	TACSEHUR	0	0-10000	-
	Serial Number - Console	TACSEHUR	C(for Console) + Prefix(Type) + Derivative Model(A-Z, AA, etc.) +YYMMXXXXX	-	-
	Serial Number - Frame	TACSEHUR	F (for Frame) + Prefix (Type)+ Derivative Model (A-Z, AA, etc.) + YYMMXXXXX	-	-
	Asset Management	TACSEHUR	-	-	-
	Workout Tracking	TACSEHUR	-	-	-
	RFID Module Installed	TACSEHUR	-	-	-
	Upload Custom Theme	TACSEHUR	-	Theme: welcome, workout, logo, color.	jpg, png, gif, jpeg, webp

CHAPTER 7: SERVICE MODE

7.2 SERVICE MODE OVERVIEW - CONTINUED

Category	Name	Models	Default	Range	Units
Weather	Enable Alerts	TACSEHUR	Check	Check/No Check	-
TV (Coaxial)	Tuner Type	TACSEHUR	Main	Main, Brazil, Japan	-
	Connection Type	TACSEHUR	Antenna	Antenna/Cable	-
	Location	TACSEHUR	United States	-	Countries
	Source	TACSEHUR	ATSC	ATSC, QAM, Analog	-
	Start Channel	TACSEHUR	2	0-1000	-
	Default Channel	TACSEHUR	3	1.00-1000.00	Channels
	Show TV Channel List	TACSEHUR	No	Yes/No	-
	Aspect Ratio Mode	TACSEHUR	Auto	Auto/Fill	-
	Over Scan Size	TACSEHUR	0	0-20	-
	Channel Button Setup	TACSEHUR	None/Channel 3 + 'Name' + TV Icon	Channel Number: 1-999	-
	Channel Order	TACSEHUR	-	-	-
	Stop Channel	TACSEHUR	100	0-1000	-
IPTV (Without Set Top Box)	IPTV Channel Setup	TACSEHUR	None/Channel 1 + 'Name'	Source, Name, Icon	IP Address
	Over Scan Size	TACSEHUR	0	0-20	-
	Default Channel	TACSEHUR	3	-	Channels
	Use SAP Channel	TACSEHUR	No Check	Check/No Check	-
IPTV (With Set Top Box)	IPTV HDMI Show Remote	TACSEHUR	No	Yes/No	-
	Over Scan Size	TACSEHUR	0	0-20	-
	IPTV Set Top Box Setup	TACSEHUR	None	Enseo-3300_RAW IBT-1283VOD LG_STB-2000_RAW	-
IPTV (HDMI over IP)	Over Scan Size	TACSEHUR	0	0-20	-
	IPTV Set Top Box Setup	TACSEHUR	None	Enseo-3300_RAW IBT-1283VOD LG_STB-2000_RAW	-
	IPTV HDMI over IP Setup	TACSEHUR	Broadcast	Broadcast	-
	IPTV HDMI over IP Setup	TACSEHUR	Connect	Connect	-
	Direct Connect	TACSEHUR	No	Yes/No	-
	Enable ErP	TACSEHUR	No	Yes/No	-
	Enable SSL	TACSEHUR	Yes	Yes/No	-
	IPTV HDMI Show Remote	TACSEHUR	No	Yes/No	-
	Enable Predefined Commands	TACSEHUR	No	Yes/No	-
	IPTV HDMI Bitrate	TACSEHUR	4M	4M, 6M, 8M, 10M, 12M	Mbps
	HDMI over IP Command List Setup	TACSEHUR	-	Export, Import, Add	Predefined Commands (can export/import XML file)
CAB	Default TV Channel	TACSEHUR	3	-	Channels
	TV Channel Setup	TACSEHUR	-	Up, Down, Confirm	View input on mini screen.

CHAPTER 7: SERVICE MODE

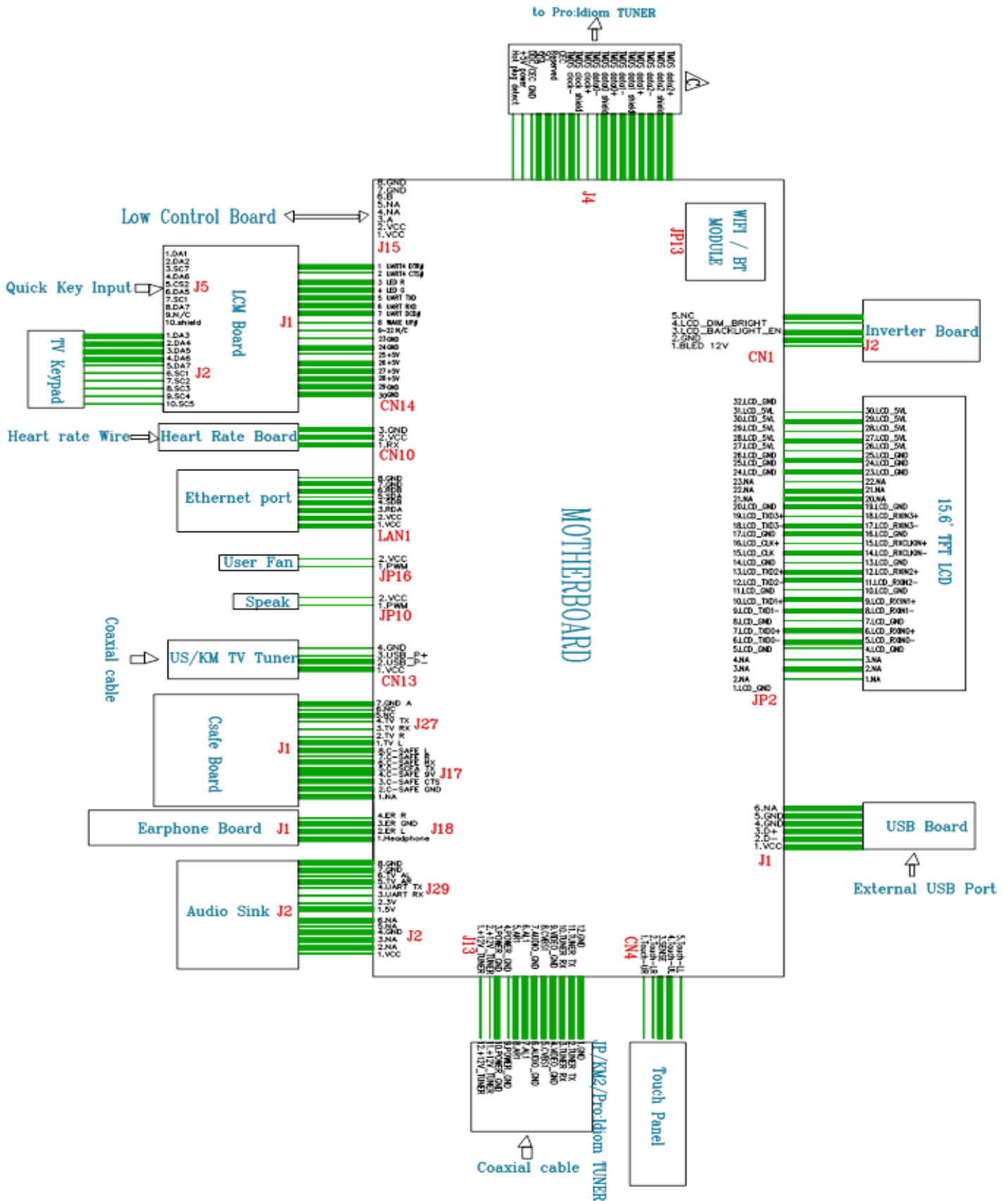
7.2 SERVICE MODE OVERVIEW - CONTINUED

Category	Name	Models	Default	Range	Units
TV(Pro:Idiom)	Default TV Channel	TACSEHUR	3	-	Channels
	Tuner Type	TACSEHUR	CVBS	HDMI/CVBS	-
Applications	Application Setup	TACSEHUR	Show	-	-
Calibration	Key test	TACSEHUR	-	-	-
	Calibration	TA	Calibrate	Calibrate	-
	Run machine	TACSEHUR	-	-	-
Hardware	RFID Module Installed	TACSEHUR	No Check	Check/No Check	-
	Backlight Brightness	TACSEHUR	40	0-100	-
	Master Volume	TACSEHUR	30	0-30	-
	Headphone Insertions	TACSEHUR	0	-	-
	Headphone Removals	TACSEHUR	0	-	-
	ErP	TACSEHUR	Check	Check/No Check	-
	ErP Timeout	TACSEHUR	30	1-60	Minutes
	Play Key Sound	TACSEHUR	Check	Check/No Check	-
	Play Workout Countdown Sound	TACSEHUR	Check	Check/No Check	-
	Ignore Incline Error	TACSEHUR	Check	Check/No Check	-
	Ignore B Level Error	TACSEHUR	Check	Check/No Check	-
	LCM Test	TACSEHUR	Write Test Pattern	-	-
	LCM Version	TACSEHUR	-	-	-
	Small LCD Reversed	TACSEHUR	No	Yes/No	-
	Default Command Expired Seconds	TACSEHUR	5	3-15	Seconds
	CSAFE	-	-	-	-
	Remote TV Default Channel	-	Disable	Disable/Enable	-
Management	Import Settings From USB	TACSEHUR	-	-	-
	Export Settings From USB.	TACSEHUR	Broadcast	Broadcast/Receive	-
	Export Settings	TACSEHUR	Broadcast	Broadcast/Receive	-
Service	Service History	TACSEHUR	-	-	-
Errors	Error Code History	TACSEHUR	-	-	-

CHAPTER 8: TROUBLESHOOTING

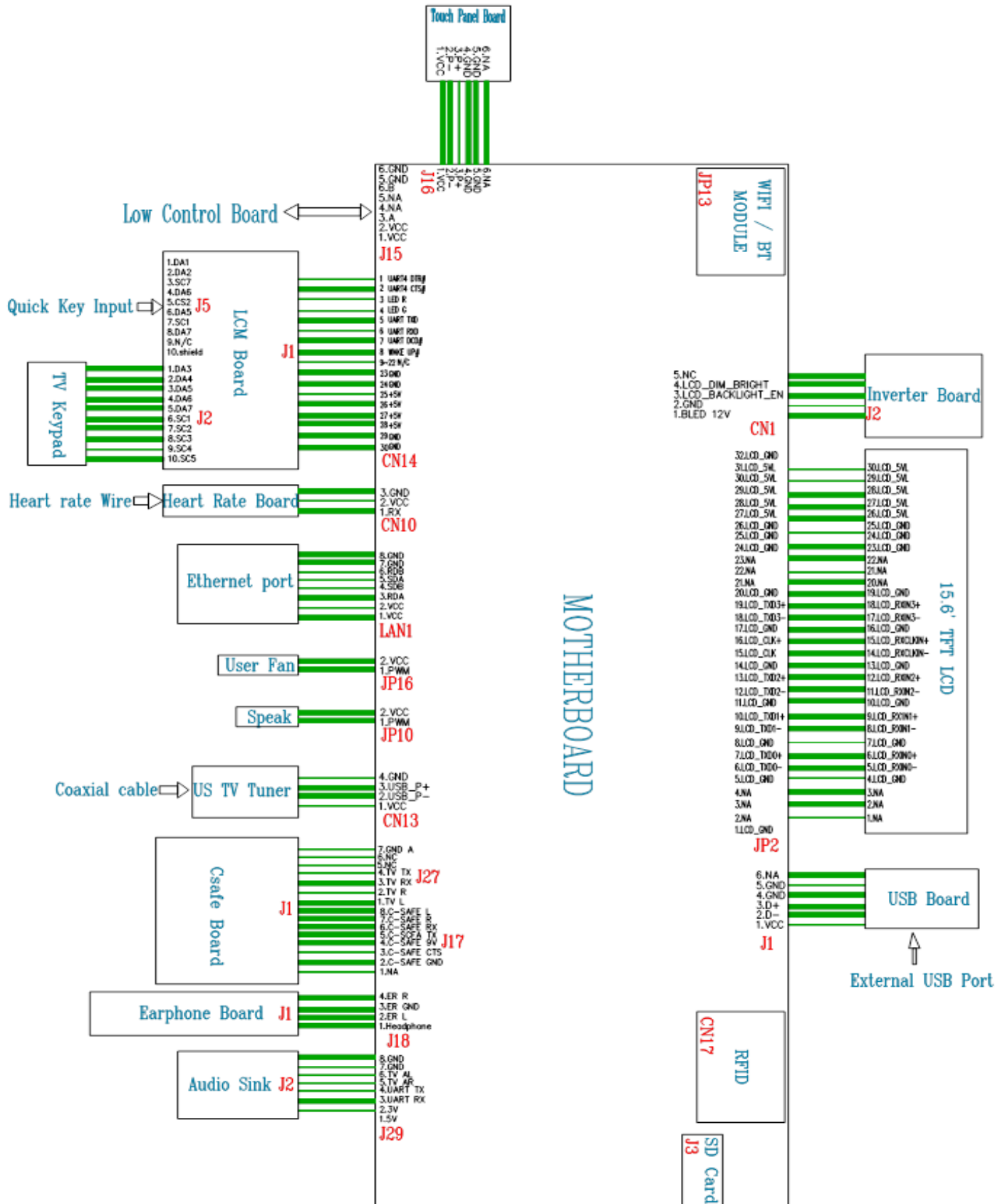
8.1 ELECTRICAL DIAGRAMS

ELECTRICAL BLOCK DIAGRAMS: HURESAC-7XE-05-C



8.1 ELECTRICAL DIAGRAMS

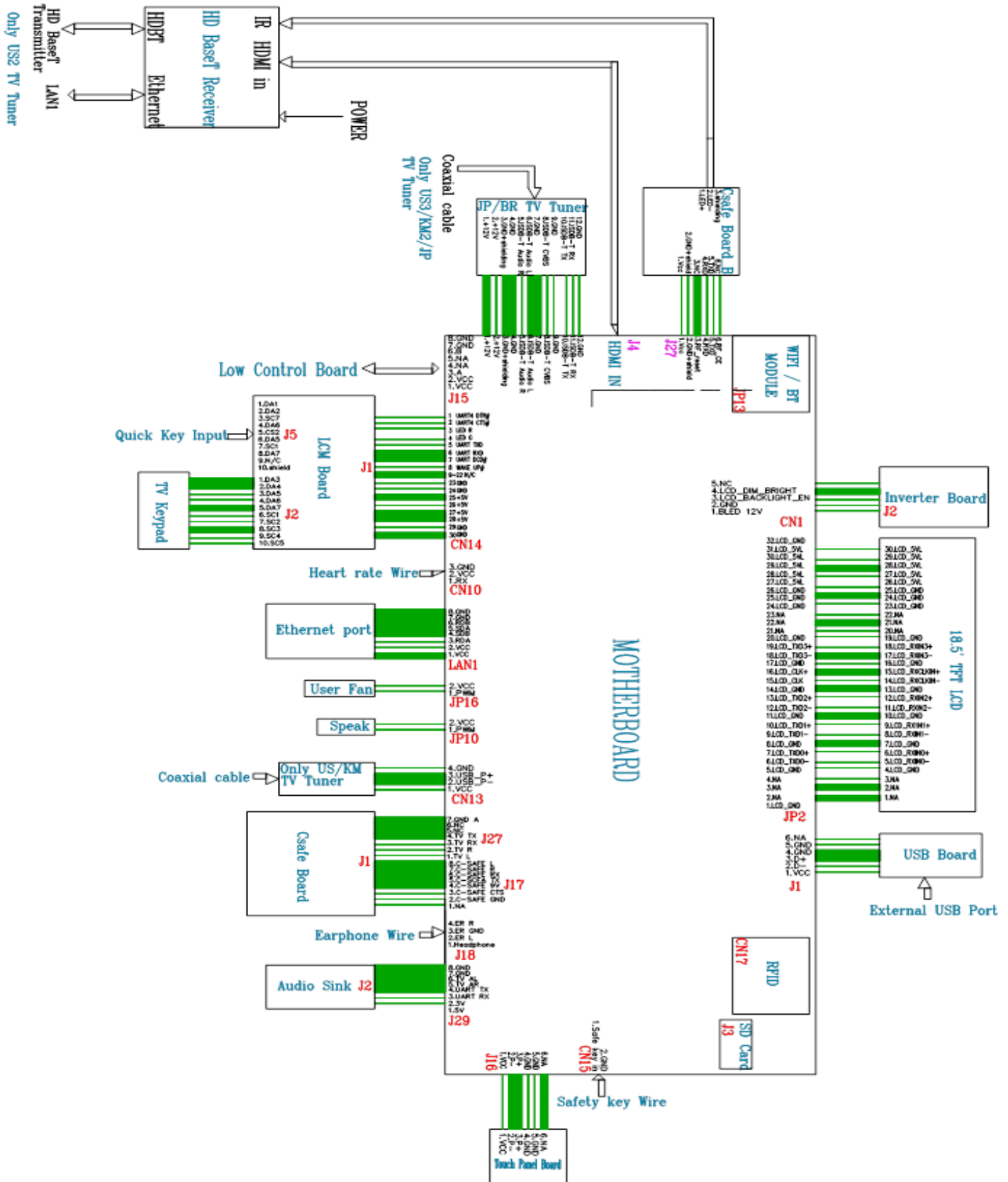
ELECTRICAL BLOCK DIAGRAMS: HURESAC-7XI-03-C



CHAPTER 8: TROUBLESHOOTING

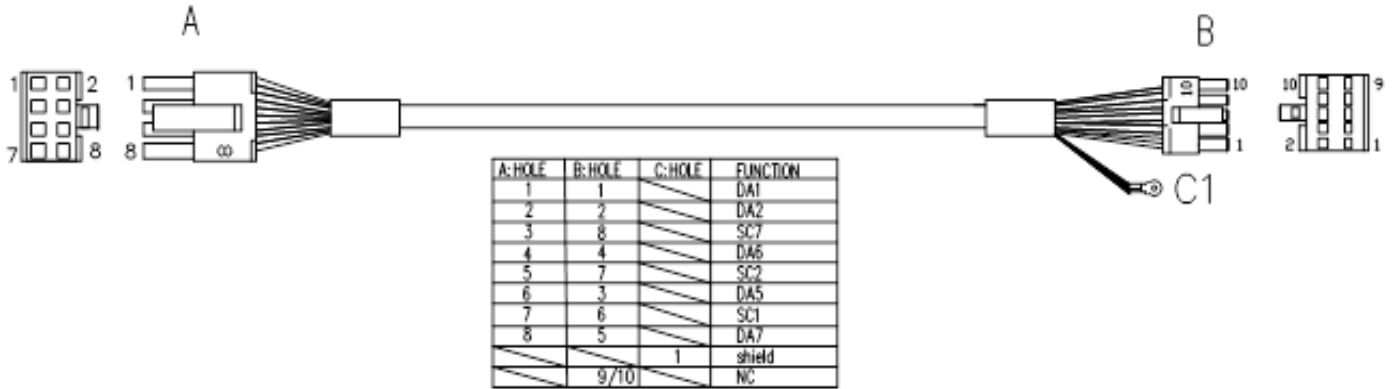
8.1 ELECTRICAL DIAGRAMS - CONTINUED

ELECTRICAL BLOCK DIAGRAMS: T-7XI-03-C

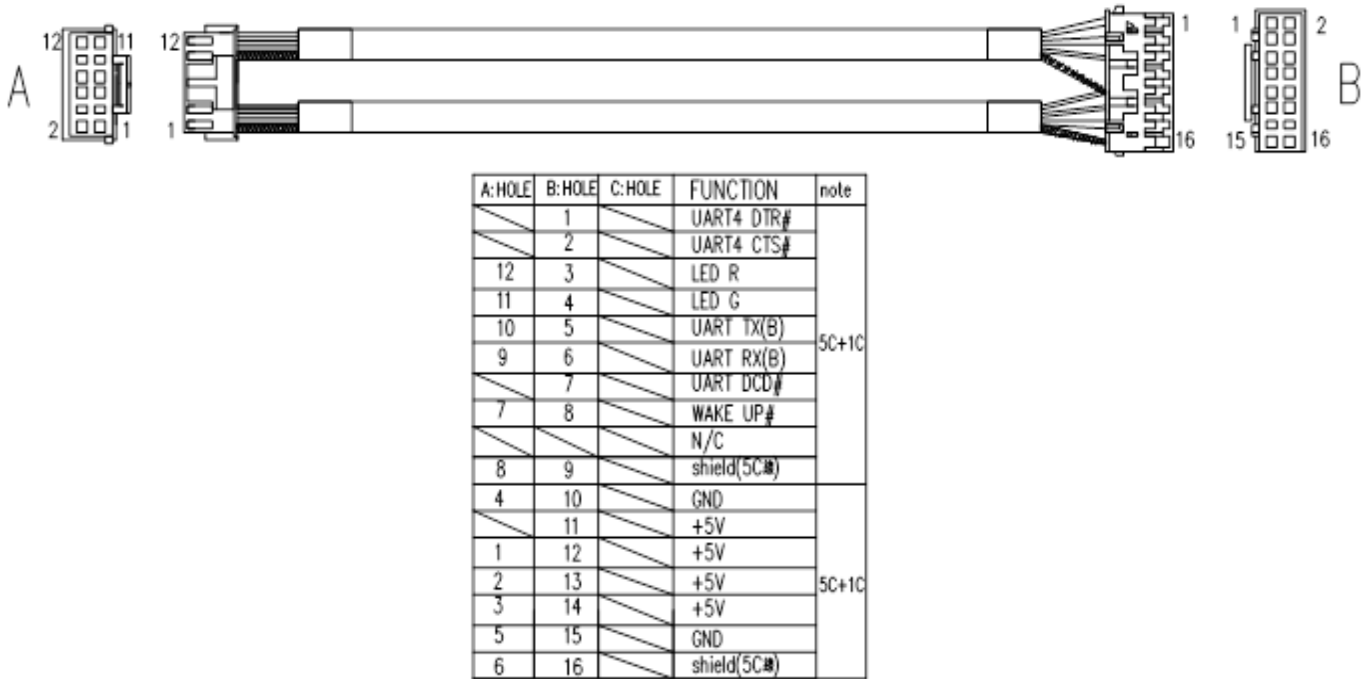


8.1 ELECTRICAL DIAGRAMS - CONTINUED

TV KEY CONNECT WIRE

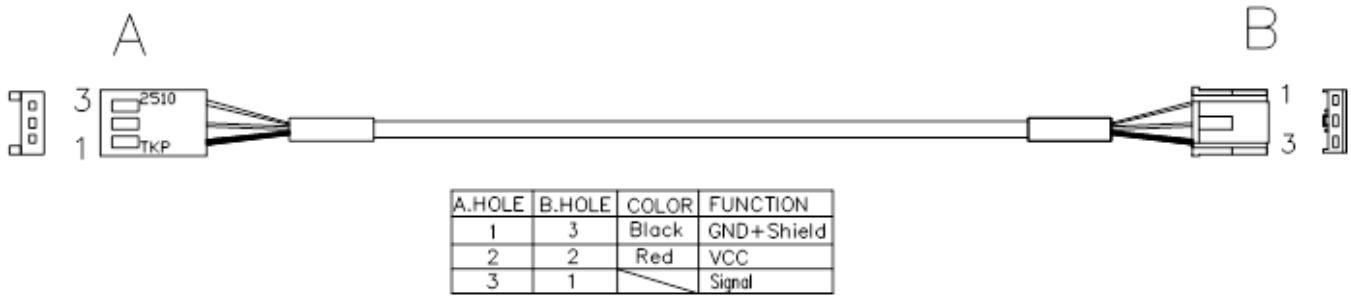


LCM CONNECT WIRE

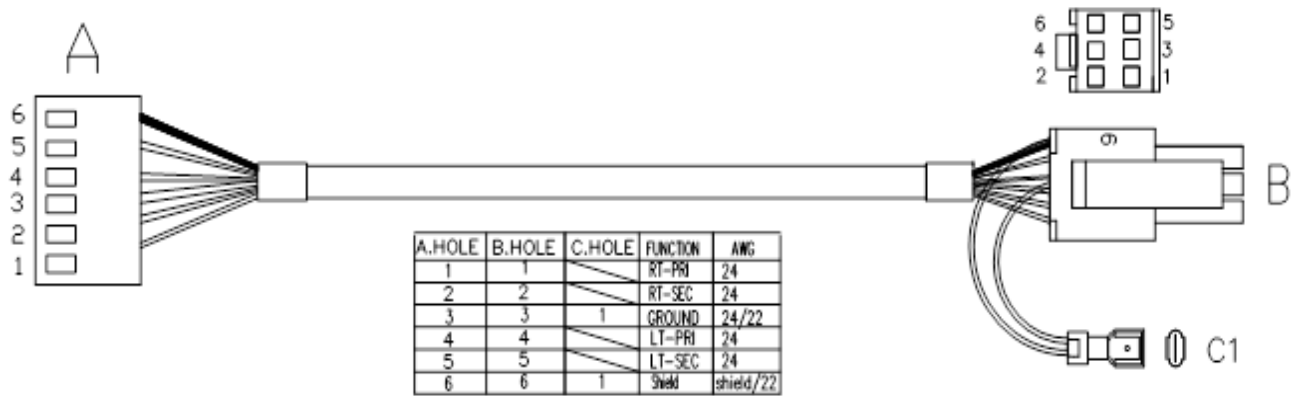


8.1 ELECTRICAL DIAGRAMS - CONTINUED

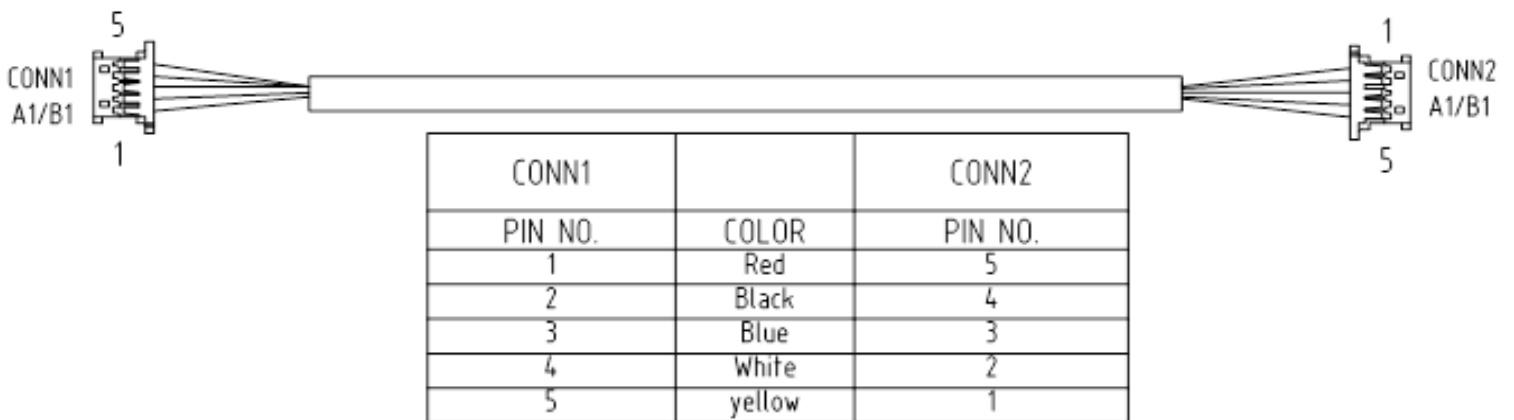
HEART RATE CONNECT WIRE



HANDS CONNECT WIRE

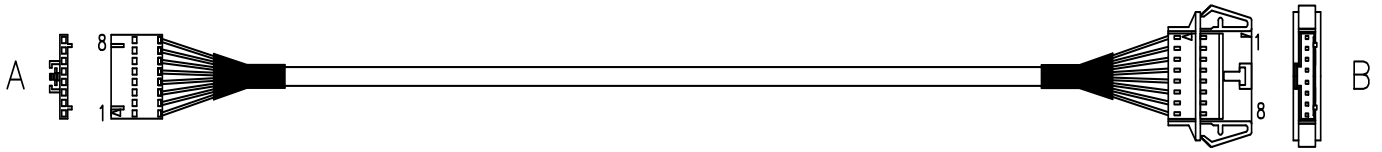


INVERTER WIRE



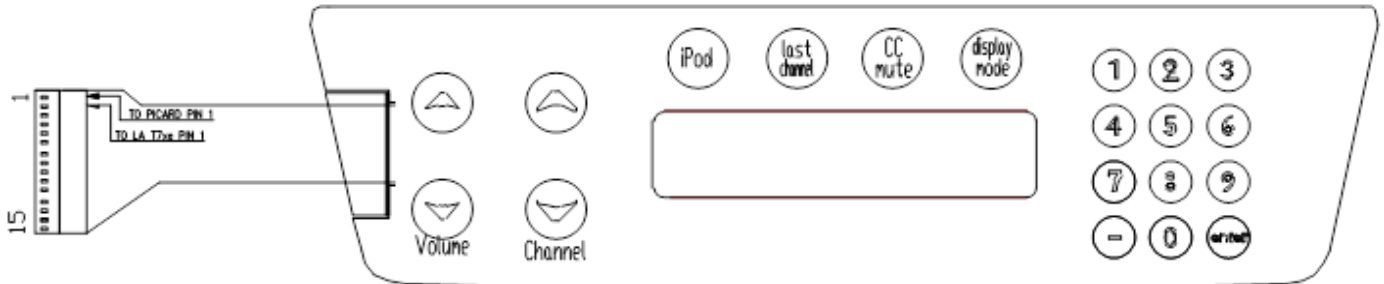
8.1 ELECTRICAL DIAGRAMS - CONTINUED

DIGITAL COMMUNICATION WIRE



A.HOLE	B.HOLE	FUNCTION	COLOR
1	1	12V	red
2	2	12V	
3	3	RDA	
4	4	NA	
5	5	NA	
6	6	RDB	
7	7	GND	black
8	8	GND	

ENTERTAINMENT KEYPAD



	SC1(Pin 6)	SC2(Pin 7)	SC3(Pin 8)	SC4(Pin 9)	SC5(Pin 10)
DA3(Pin 1)					
DA4(Pin 2)	Channel ↕	Enter	Volume ↕	0	-
DA5(Pin 3)	Channel ↕	9	Volume ↕	8	7
DA6(Pin 4)	Display	6	CC mute	5	4
DA7(Pin 5)	Last channel	3	I-Pod	2	1

CHAPTER 8: TROUBLESHOOTING

8.2 ERROR CODE LIST

CODE	CLASS	DESCRIPTION	MACHINE	SOLUTION
01A1	C	Incline calibration error	A	<ol style="list-style-type: none"> a. It occurs when the calibration time is too long or the calibration distance is too short. b. Don't fix the incline motor tube then turn on the power. <ul style="list-style-type: none"> - If the console still shows 01A1, please replace incline motor. - If auto calibration is finished, please follow the incline motor installation SOP to fix incline motor. c. Replace LCB.
01A3	C	Motor is disconnected	T	<ol style="list-style-type: none"> a. Check the connection of the motor cable at the MCB. b. Check if the MCB LED DSP1 (MCU). <ul style="list-style-type: none"> - If LED DSP1 is blinking or solid light, replace the motor - If LED DSP1 is not lit, replace the MCB.
01A8	C	Main motor over current	T	<ol style="list-style-type: none"> a. Check the condition of the running deck and belt. Replace the belt and flip or replace the running deck as needed. b. Replace the MCB.
01AC	C	Electro magnet (ECB) over current	HUR	<ol style="list-style-type: none"> a. Check if the Electro-magnet is short circuited or open. b. If the resistance data shows a short/open ohms or is outside the range of 12.8 ~14.2 ohms, replace the Electro-magnet. c. If the resistance data is in the range between 12.8 ~14.2 ohms, replace the LCB.
			C	<ol style="list-style-type: none"> a. On standby mode, measure the resistance on ECB1 and ECB2. Please check the ECB extension cable connection at the LCB (pins 1 & 3 for ECB1, pins 2 & 4 for ECB2), there should be between 12.8 ~ 14.2 ohms. <ul style="list-style-type: none"> - If the ECB resistance is out of the range, replace the ECB. - If the ECB resistance is within the range, replace the LCB. b. Check the gap of ECB1 and ECB2. There should be a gap of .5mm between the ECB and the flywheel.
01AF	C	Electro magnet (ECB) disconnected	HUR	<ol style="list-style-type: none"> a. Check if the Electro-magnet is short circuited or open. b. If the resistance data shows a short/open ohms or is outside the range of 12.8 ~14.2 ohms, replace the Electro-magnet. c. If the resistance data is in the range between 12.8 ~14.2 ohms, replace the LCB.
		Resistance disconnect	A	<ol style="list-style-type: none"> a. Check if the resistance is short circuit. <ul style="list-style-type: none"> - If resistance data is under 10 ohms, please replace power resistance. - If resistance data is over 10 ohms, please replace LCB.
		Electro magnet (ECB) disconnected	C	<ol style="list-style-type: none"> a. Check the connection of the ECB extension cable from the LCB to the ECB. b. Check to see if LED8 and LED10 on the LCB have a brief light for 3 second when you power on machine. <ul style="list-style-type: none"> - If LED8 and LED10 do not have a brief light, replace the LCB. - If LED8 and LED10 do have a brief light, check the ECB extension cable connection at the LCB (pins 1 & 3 for ECB1, pins 2 & 4 for ECB2), there should be between 12.8 ~ 14.2 ohms. - If the ECB resistance is out of the range, replace the ECB. c. If the ECB resistance is within the range, replace the LCB.
01B4	C	Battery connection reverse protection	AHUR	<ol style="list-style-type: none"> a. Check the battery wire connection between the battery and LCB. b. Check the battery voltage. <ul style="list-style-type: none"> - If there is no data on voltage, replace the battery. - If there is data on voltage, replace the LCB.
014A (01AE)	B	LCB charge current is abnormal	AHUR	<ol style="list-style-type: none"> a. Replace LCB.
0140	B	Incline motor operation fail	A	<ol style="list-style-type: none"> a. Please run Auto Calibration. b. If the error code happens in Auto-calibration, the machine still can work, no need to do anything. c. If the error code happens in workout, please replace the incline motor.
0141	B	Motor over temperature	T	<ol style="list-style-type: none"> a. Check the connection of the motor cable at the MCB. b. Use a multi-meter to check the motor wire circuit. Set the multi-meter to Ohms and place both terminals on the blue wires of the motor cable. <ul style="list-style-type: none"> - If there is an Ohm reading above 0, replace the motor. - If the Ohm reading is 0, replace the MCB.
0144	B	Motor over current	T	<ol style="list-style-type: none"> a. Check the condition of the running deck and belt. Replace the belt and flip or replace the running deck as needed. b. Replace the MCB.

CHAPTER 8: TROUBLESHOOTING

8.2 ERROR CODE LIST - CONTINUED

CODE	CLASS	DESCRIPTION	MACHINE	SOLUTION
0147	B	Incline motor disconnection	A	a. Please check the incline motor wire connection between the incline and LCB. b. Please check the incline motor VR if there's data. <ul style="list-style-type: none"> - If there's no data, replace the incline. - If there's data, replace the LCB.
			T	a. Please check the incline motor wire connection between the incline and MCB. b. Run auto calibration. c. If the issue is not solved by replacing the incline motor.
0148 (01A7)	B	Incline motor over current.	A	a. Don't fix the incline motor tube then turn on the power. <ul style="list-style-type: none"> - If the console still shows error, please replace incline motor. - If the console does not show error, please follow the incline motor installation SOP to fix incline motor. b. Replace LCB.
0149	B	The resistance current is over	A	a. Please check if the resistance is short circuit. <ul style="list-style-type: none"> - If resistance data is under 10 ohms, please replace power resistance. - If resistance data is over 10 ohms, please replace LCB.
02AB	C	Machine type error.	ESHURA	a. Change the machine type on the console to match the correct frame.
02AD	C	MCB is over temperature	T	a. Check if that both fans are operating (there is a fan mounted to the MCB itself as well as an external fan). Also check the connection of the fans at the MCB. b. If the fans are running correctly, replace the MCB.
02A0	C	Encoder error	C	a. Check the connection of the speed sensor cable from the LCB to the speed sensor. b. Check to see if LED D35 on the LCB is on when the brake is turned to the left release position. c. If LED D35 is off, move the stairs about 3 stairs and check to see if LED D35 is flashing. <ul style="list-style-type: none"> - If not, replace the speed sensor. - If yes, adjust the speed sensor position and clean the speed sensor of any debris then re-test.
02A2	C	Over DC bus voltage	T	a. Please check if the input power is normal(110V : over 140V/ 220V: over 280V) b. Replace the MCB.
02A3	C	Low AC power input voltage when motor running	T	a. Please check if the input power is normal(110V : low 76V/ 220V: low 186V) b. Replace the MCB.
02A7	C	over I rms of phase current of motor	T	a. Please check the Motor wire connection between the Motor and MCB. b. Please use the electric meter to check the 3 points (U/V/W) and see if there's data of inside impedance. <ul style="list-style-type: none"> - If yes, replace MCB. - If no, replace Motor set.
02BA	C	The inner memory IC data read error.	T	a. Reboot power, if error shows again, replace the MCB.
02BB	C	Inverter hardware interrupts error.	T	b. Reboot power, if error shows again, replace the MCB.
02BC	C	Ground connection or fuse error	T	a. Check the Motor wire (3 points U/V/W) and ground wire whether short. b. Replace the MCB.
02BD	C	Drive hardware interrupt error.	T	a. Replace MCB.
02BE	C	DC brake error.	C	a. Check the power extend wire connection between the brake and LCB for any damage. b. Check to see if the stairs will move when you are in the stop position. If yes, replace the brake.
02BF	C	DC brake Over Current	C	a. Check the power extend wire connection between the brake and LCB for any damage. b. Check to see if the stairs will move when you are in the stop position. If yes, replace the brake.

CHAPTER 8: TROUBLESHOOTING

8.2 ERROR CODE LIST - CONTINUED

CODE	CLASS	DESCRIPTION	MACHINE	SOLUTION
02B2	C	Safe key action response	T	<ul style="list-style-type: none"> a. Check the connection of the safety key (emergency stop) switch. If the switch is always open or shorted out, replace the switch. b. If the emergency stop does not resolve the issue, replace the PCB.
02B4	C	Resistance Type Error	ESHURA	<ul style="list-style-type: none"> a. Make sure machine type is set for the correct frame in console. <ul style="list-style-type: none"> - If yes, replace LCB. - If no, change to correct type and reboot the power.
02B5	C	Inverter sensor the normal rated current over 150% , can hold 60 sec	T	<ul style="list-style-type: none"> a. Replace MCB.
02B6	C	Speed up have over current	T	<ul style="list-style-type: none"> a. Check the condition of the running deck and belt. Replace the belt and flip or replace the running deck as needed. b. Replace the MCB.
02B7	C	Speed down is overcurrent	T	<ul style="list-style-type: none"> a. Check the condition of the running deck and belt. Replace the belt and flip or replace the running deck as needed. b. Replace the MCB.
02B8	C	Running status is overcurrent	T	<ul style="list-style-type: none"> a. Check the condition of the running deck and belt. Replace the belt and flip or replace the running deck as needed. b. Replace the MCB.
02B9	C	The inner memory IC data write error	T	<ul style="list-style-type: none"> a. Reboot power, if error shows again, replace the MCB.
02C0	C	DC brake in manual mode	C	<ul style="list-style-type: none"> a. Check if the DC brake is in the "Right "lock position. Release the brake (move to the left) if in lock position. b. Replace the brake.
02C1	C	Speed tracking error	C	<ul style="list-style-type: none"> a. Adjust the speed sensor position and clean the speed sensor of any debris. b. Check the ECB extension cable connection at the LCB (pins 1 & 3 for ECB1, pins 2 & 4 for ECB2), there should be between 12.8 ~ 14.2 ohms, check which ECB is outside the range and replace it.
02C2	C	CZ 3IR sensors have no communication or disconnected over 3 seconds	C	<ul style="list-style-type: none"> a. Check if there's something blocking the control zone 3 IR sensors. b. Check if the control zone 3IR sensors (transmitter and receiver) are aligned. c. Check the connection of the control zone extension cable from the transmission board to the receiver board. d. Replace the transmission board or control zone extension cable as needed.
02C3	C	Frame IR sensor error	C	<ul style="list-style-type: none"> a. Check if there's something blocking the frame IR sensors. b. Check if the frame IR sensors (transmitter and receiver) are aligned. c. Check the connection of the frame IR transmitter cable from the LCB to the frame IR transmitter sensors. d. Replace the frame IR transmitter cable if the cable is defective.
02C4	C	The frequency error form control zone	C	<ul style="list-style-type: none"> a. Replace the control zone transmission board or receiver board.
02C5	C	The frequency error for frame IR sensor	C	<ul style="list-style-type: none"> a. Replace LCB.
02C6	C	The receiver disconnection for control zone	C	<ul style="list-style-type: none"> a. Check the connection of the control zone extension cable from the LCB to the control zone. b. Replace the receiver board.
02C7	C	The receiver disconnection for frame IR sensor	C	<ul style="list-style-type: none"> a. Check the connection of the frame IR receiver cable from the LCB to the frame IR receiver sensor. b. Replace the frame IR receiver cable.
0201	A	LCB battery low voltage	ESA	<ul style="list-style-type: none"> a. Plug in the machine to charge battery for 24 hours.
0247	B	LCB fail	ESHURA	<ul style="list-style-type: none"> a. Replace LCB.
0248	B	Battery disconnection or fail (LCB battery voltage is less than 6 volts)	ESHURA	<ul style="list-style-type: none"> a. Check battery wire connection to LCB. b. Check to see if the battery voltage is less than 6 volt. <ul style="list-style-type: none"> - If less than 6 volt, replace battery. - If not, replace LCB.

CHAPTER 8: TROUBLESHOOTING

8.2 ERROR CODE LIST - CONTINUED

CODE	CLASS	DESCRIPTION	MACHINE	SOLUTION
03A5	C	Failed to load program	Console	a. Replace UCB.
03A6	C	Failed to run program	Console	a. Replace UCB.
03A8	C	Machine type error	ESHURACT	a. Change the correct machine type in the console and reboot power again.
0301	A	Memory block damage	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Replace UCB.
0302	A	UCB low battery voltage	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Replace battery.
0303	A	UCB low supply voltage	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Make sure the RPM over 35, when the machine of self-power mode.
0304	A	Earphone Board Need Replace	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Replace Earphone Board.
0305	A	USB Hardware OT or OC	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Replace UCB.
0306	A	Keypad press keep 60 seconds	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Replace Keypad.
0340	B	Key pad in extraordinary operation	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Replace Keypad.
0341	B	Fan over current	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Replace Fan.
0343	B	UCB Over supply voltage	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Check the LCB provide power whether over 13 voltage If yes, replace LCB. If not, replace UCB.
0345	B	Correct packet but LCB without the function	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Replace UCB.
0346	B	UCB detect the error of LCB incline position error	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Running the incline motor calibration again.
0347	B	VA Load program fail	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Replace VA Micro SD card.
0348	B	Motor not to run	Console	a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Replace UCB.
04A0	C	If LCB have no message to return UCB over 3 seconds	Communication Errors	a. Check the connection of the console cable at both ends and perform continuity test. b. Replace LCB.
04B0	C	UCB not have communication response	Communication Errors	a. Check the connection of the console cable at both ends and perform continuity test. b. Replace UCB.
04B1	C	IO board not have communication response	Communication Errors	a. Replace UCB.

8.2 ERROR CODE LIST - CONTINUED

CODE	CLASS	DESCRIPTION	MACHINE	SOLUTION
0440	B	Timeout receive packet.	Communication Errors	<ul style="list-style-type: none"> a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code. b. Check the connection of the console cable at both ends and perform continuity test. c. Replace LCB.
0441	B	When UCB implements a command, LCB has no this command	Communication Errors	<ul style="list-style-type: none"> a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code.
0442	B	The received command code from the console is correct and is supported, but it has less or more data arguments	Communication Errors	<ul style="list-style-type: none"> a. Enter the Engineer mode disable B Level Error, by pass CLASS A and B error code.

9.1 WORKING ENVIRONMENT SET UP FOR PARTS REPLACEMENT

1. The desk that the product contacts must have an antistatic tablecloth or antistatic foam (Figure A).

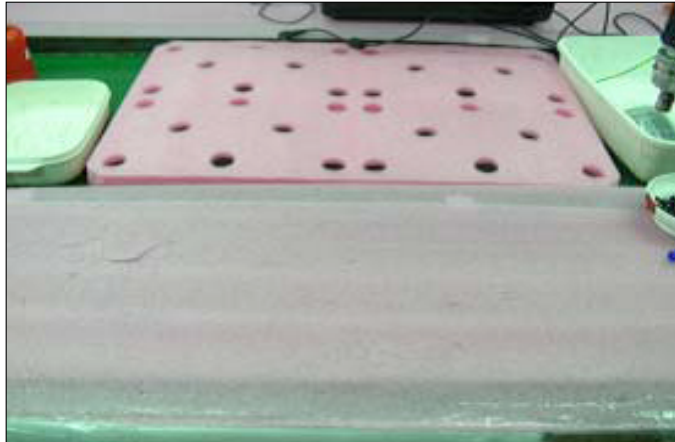


FIGURE A

2. The working personnel needs to wear an antistatic ring and the ring must be grounded (Figures B & C).



FIGURE B



FIGURE C

9.2 T7XE UCB REPLACEMENT

1. Remove the 4 screws holding on the back cover (Figure A).
2. Remove the 4 screws holding on the console fan upper cover (Figure B).



FIGURE A

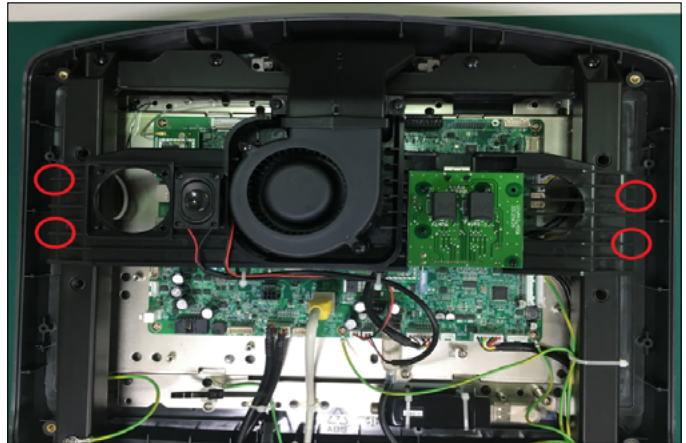


FIGURE B

3. Remove the 7 screws holding on the UCB (Figure C).
4. Unplug the LVDS and Inverter cable from UCB (Figure D).

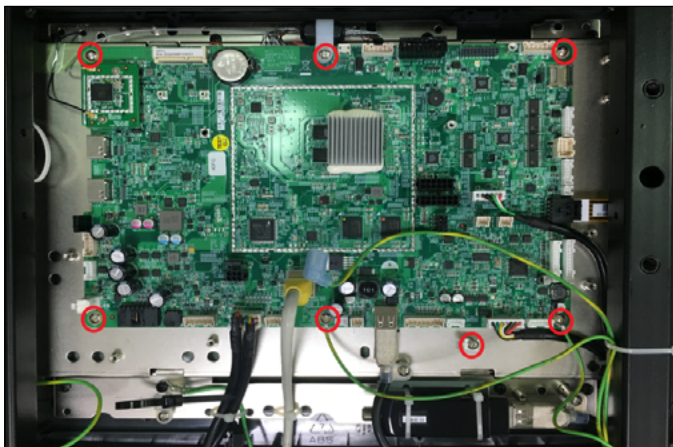


FIGURE C



FIGURE D

9.3 T7XE TFT-LCD MODULE REPLACEMENT

1. Remove the UCB as outlined in Section 9.2.
2. Remove the 12 screws holding on the Reinforce Set (Figure A).
3. Cut the two ties on the fixing plate (Figure B).

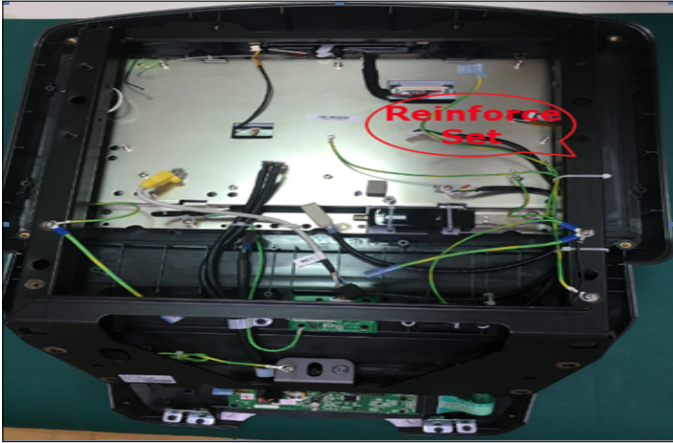


FIGURE A

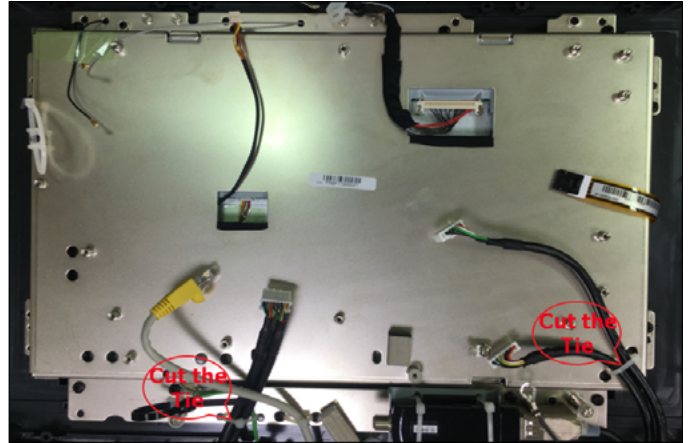


FIGURE B

4. Remove the fixing plate set from the console cover (Figure C).
5. Remove the 4 screws holding on the TFT- Panel (Figure D).

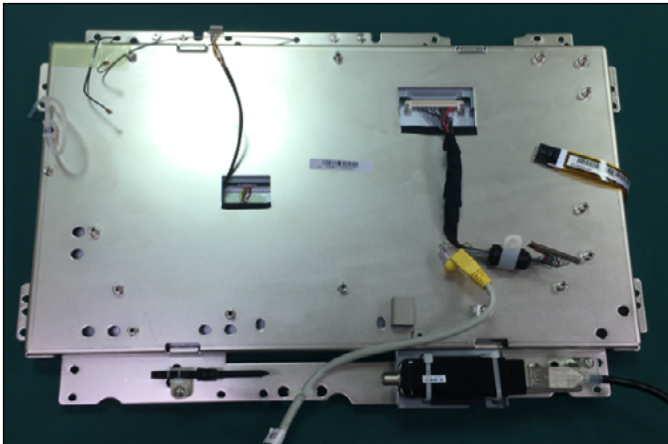


FIGURE C

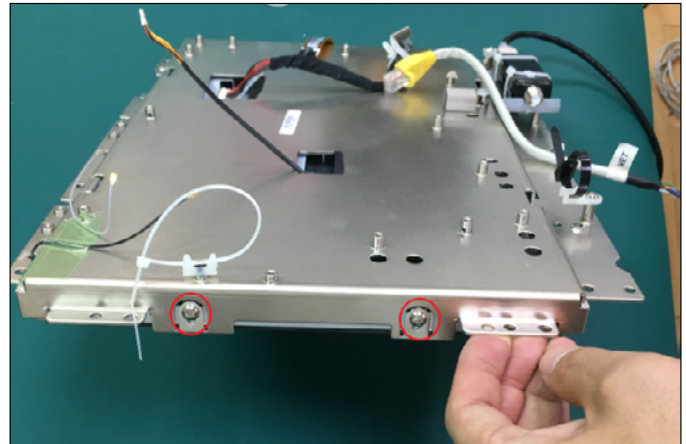


FIGURE D

6. Unplug the Inverter cable and LVDS cable (Figure E).
7. Note: There are two holes on the panel fixing plate—the upper hole is for 7xe and the lower hole is for T7xe (Figure F).

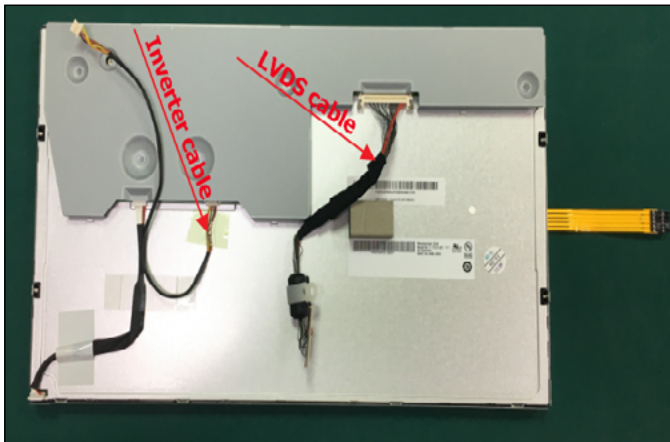


FIGURE E



FIGURE F

9.4 7XE UCB REPLACEMENT

1. Remove the 6 screws holding on the back cover (Figure A).
2. Remove the 7 screws holding on the UCB (Figure B).



FIGURE A

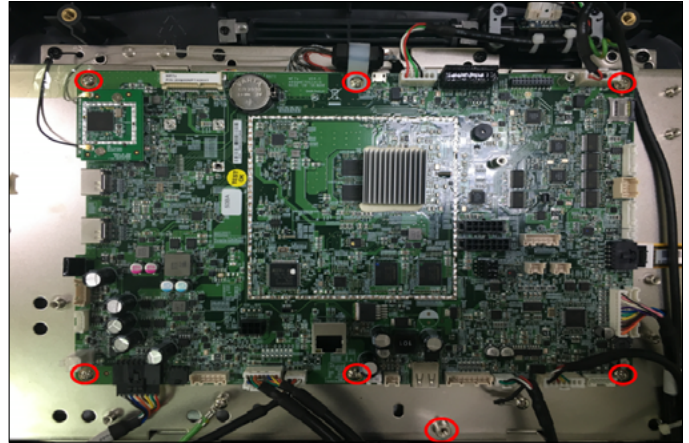


FIGURE B

3. Unplug the LVDS and Inverter cable from the UCB (Figure C).

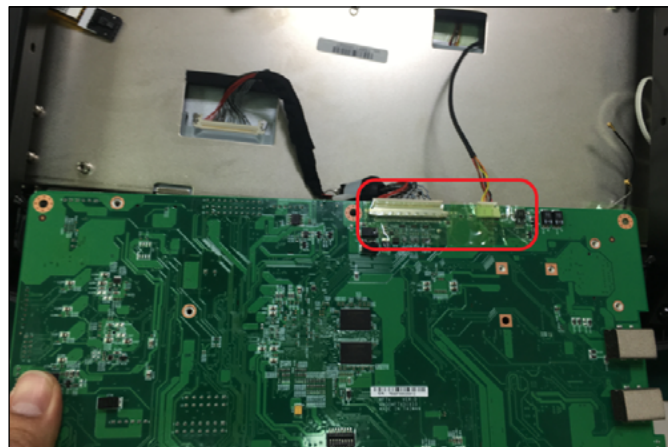


FIGURE C

9.5 7XE TFT-LCD MODULE REPLACEMENT

1. Remove the UCB as outlined in Section 9.4.
2. Cut the two ties on the fixing plate (Figure A).

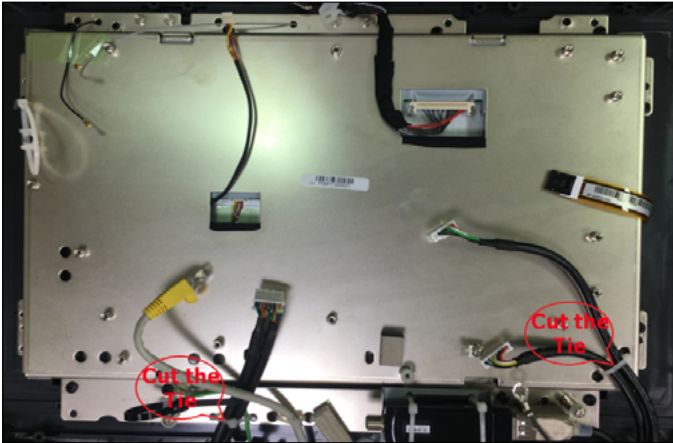


FIGURE A

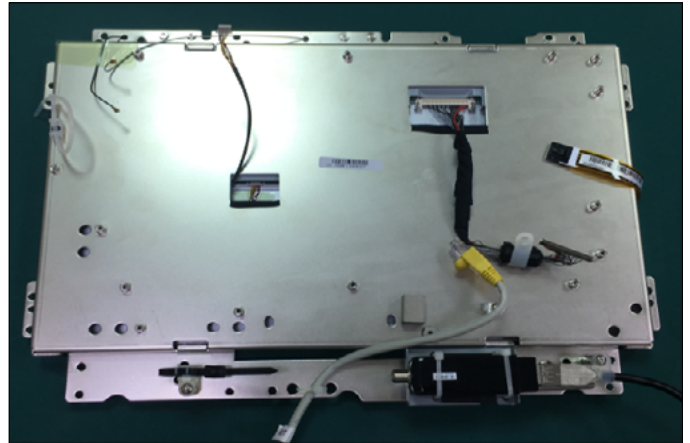


FIGURE B

3. Remove the fixing plate set from the console cover (Figure C).
4. Remove the 4 screws holding on the TFT- Panel. Remove the UCB (Figure D).

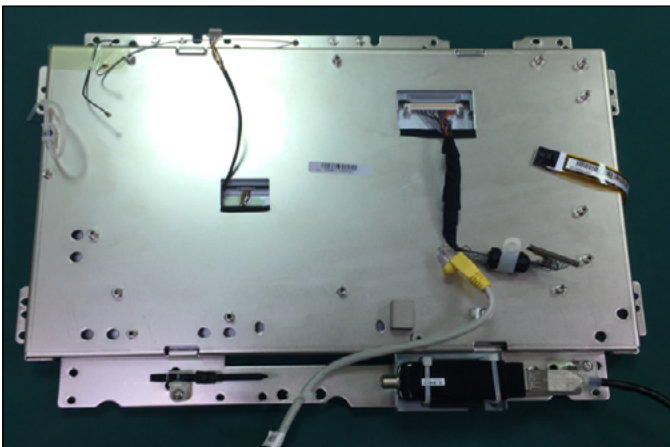


FIGURE C

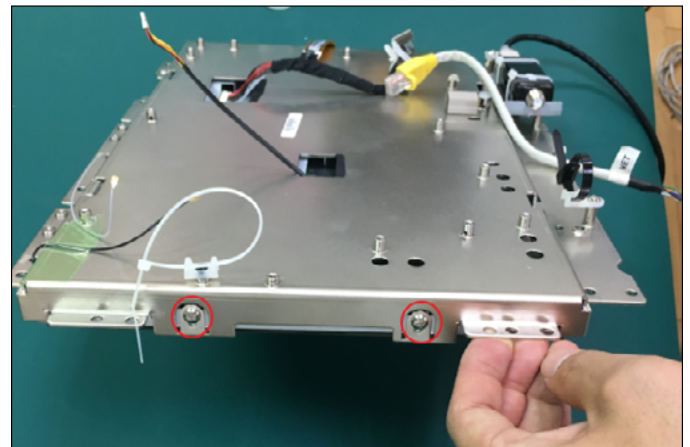


FIGURE D

5. Unplug the Inverter cable and LVDS cable (Figure E).
6. Note: There are two holes on the panel fixing plate--the upper hole is for 7xe and the lower hole is for T7xe (Figure F).

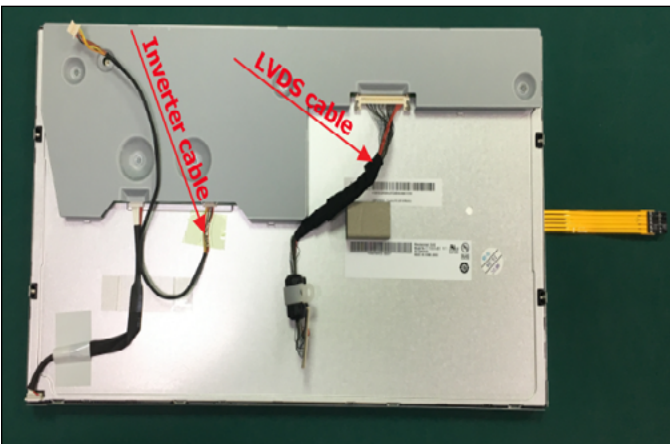


FIGURE E



FIGURE F

9.6 T7XI UCB REPLACEMENT

1. Remove the 4 screws holding on the back cover (Figure A).
2. Remove the 4 screws holding on the console fan upper cover (Figure B).



FIGURE A

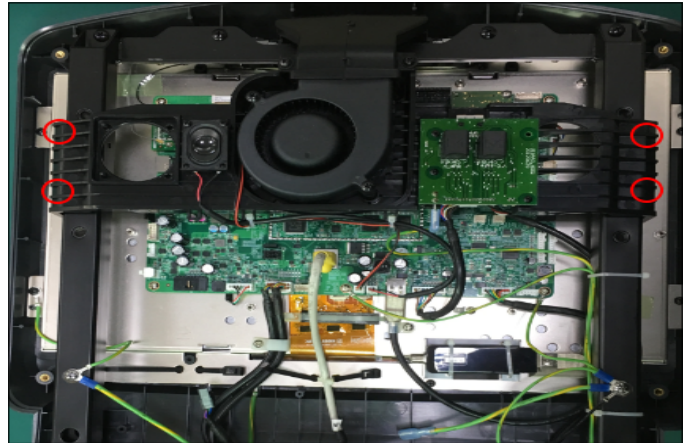


FIGURE B

3. Remove the 7 screws holding on the UCB (Figure C).
4. Unplug the LVDS and Inverter cable from the UCB (Figure D).



FIGURE C

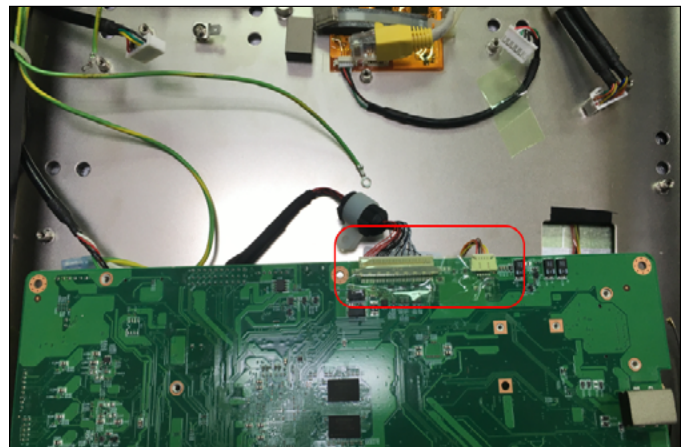


FIGURE D

9.7 T7XI TFT-LCD MODULE REPLACEMENT

1. Remove the UCB as outlined in Section 9.6.
2. Remove the 12 screws holding on the Reinforce Set (Figure A).
3. Cut the tie on the fixing plate (Figure B).



FIGURE A

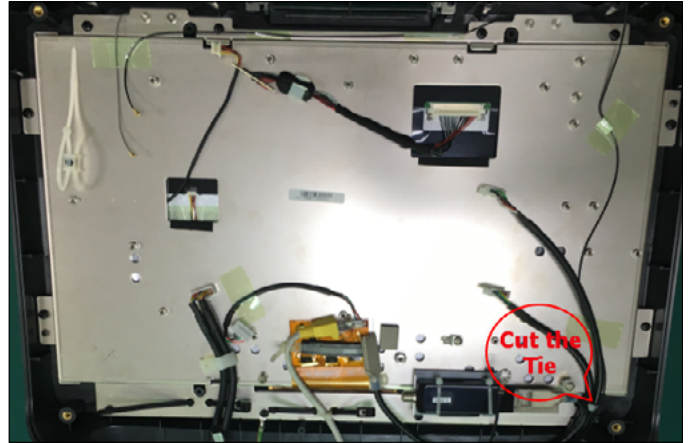


FIGURE B

4. Remove the touch panel tie holding on the fixing plate (Figure C).
5. Remove the fixing plate set from console cover (Figure D).

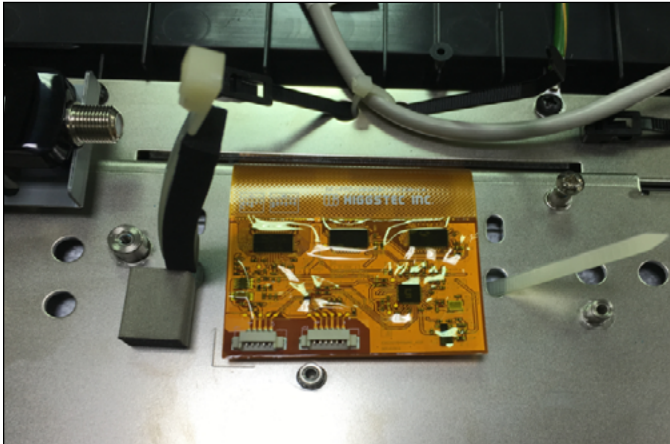


FIGURE C

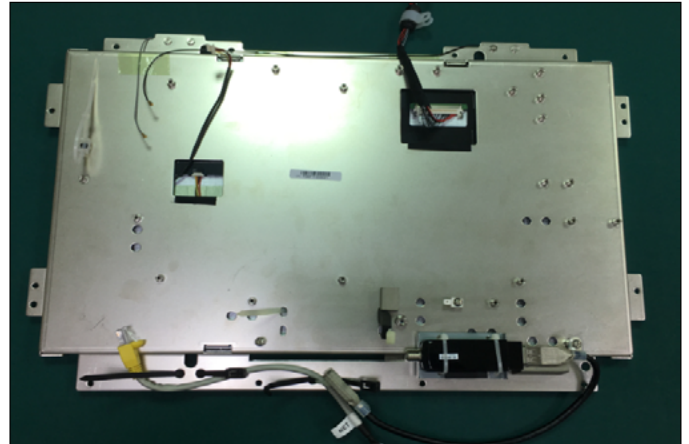


FIGURE D

6. Remove the 4 screws holding on the TFT- Panel (Figure E).
7. Unplug the Inverter cable and LVDS cable (Figure F).

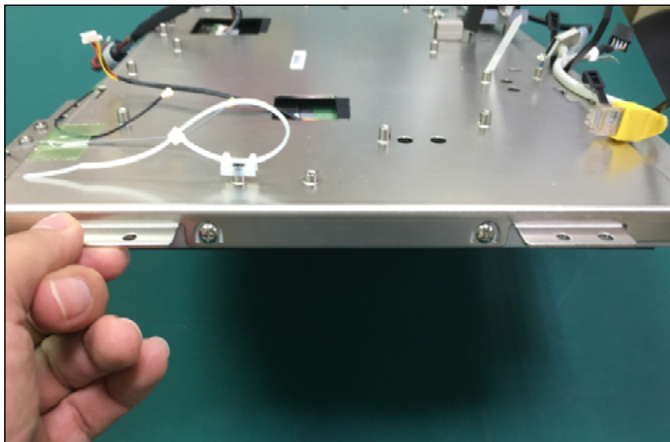


FIGURE E

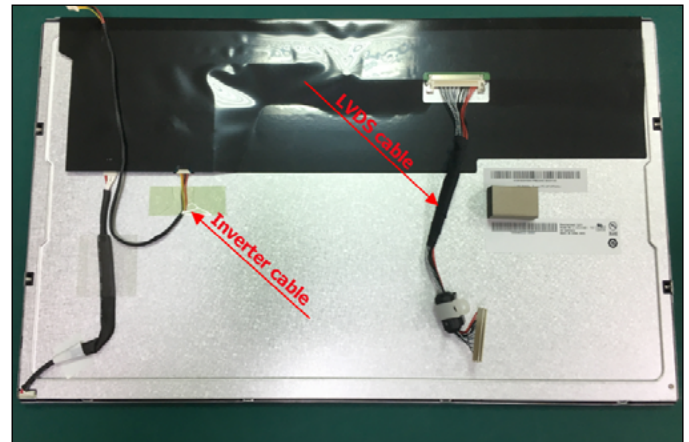


FIGURE F

9.8 7XI UCB REPLACEMENT

1. Remove the 6 screws holding on the back cover (Figure A).
2. Remove the 7 screws holding on the UCB (Figure B).



FIGURE A

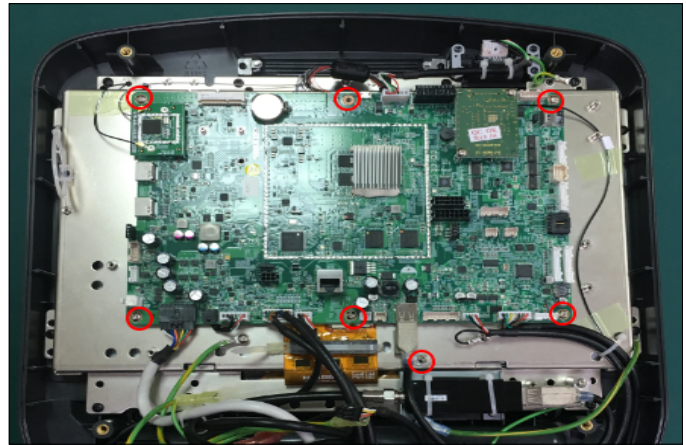


FIGURE B

3. Unplug the LVDS and Inverter cable from the UCB (Figure C).

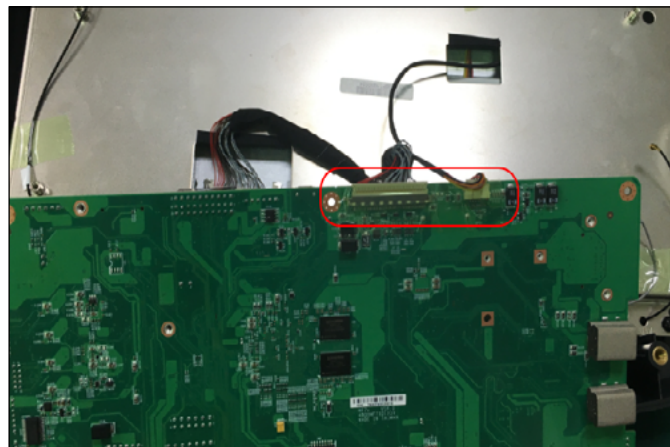


FIGURE C

9.9 7XI TFT-LCD MODULE REPLACEMENT

1. Remove the UCB as outlined in Section 9.7.
2. Cut the tie and remove the Tuner set on the fixing plate (Figure A).
3. Remove the touch panel tie holding on the fixing plate (Figure B).

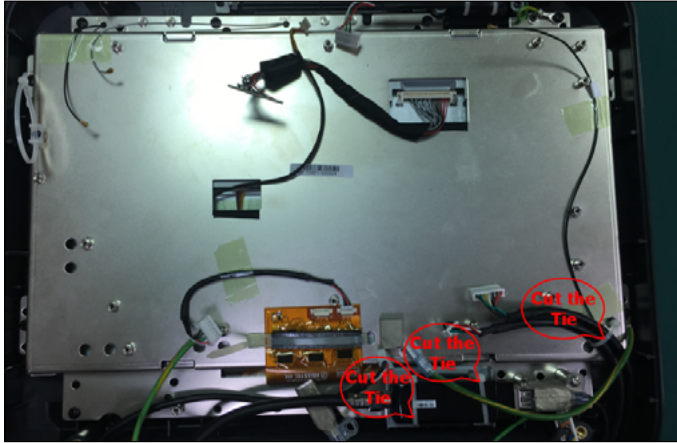


FIGURE A

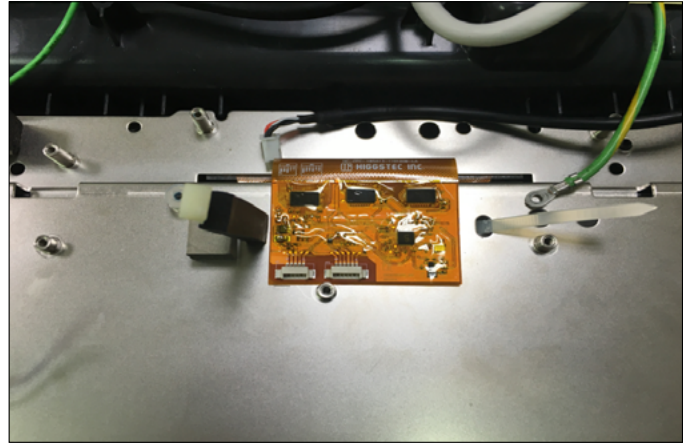


FIGURE B

4. Remove the fixing plate set from the console cover (Figure C).
5. Remove the 4 screws holding on the TFT- Panel (Figure D).

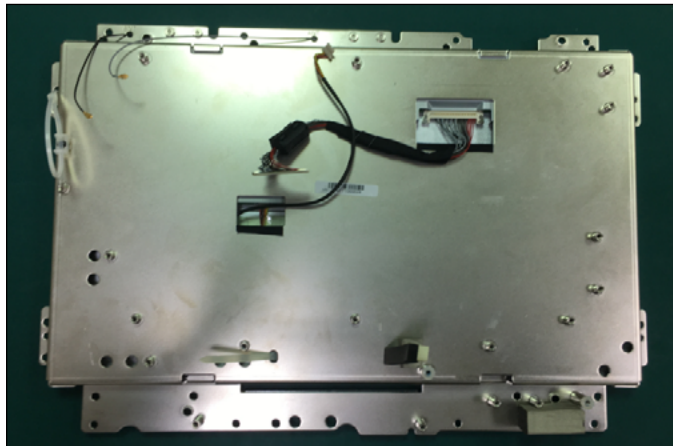


FIGURE C

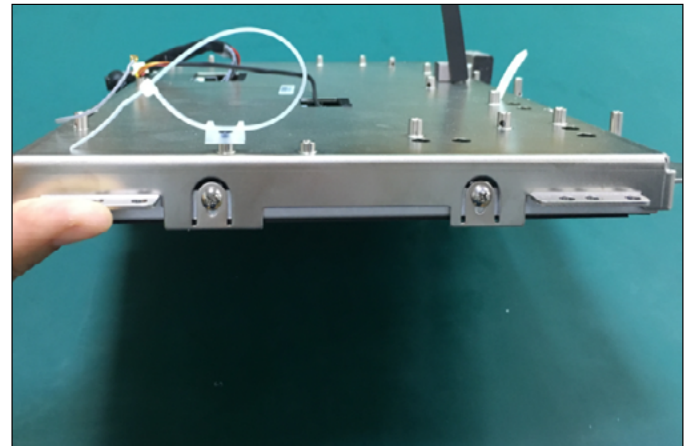


FIGURE D

6. Unplug the Inverter cable and LVDS cable (Figure E).

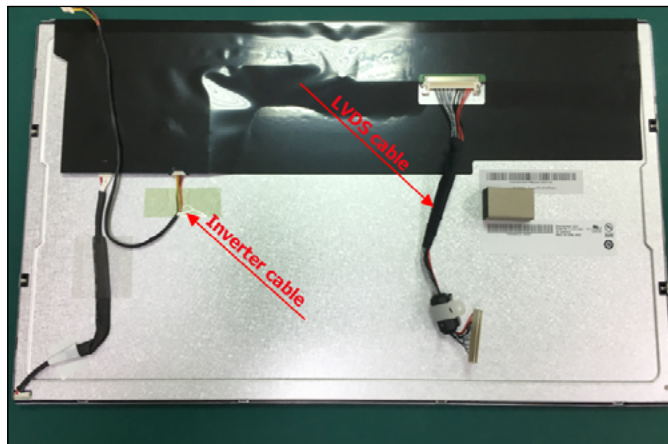


FIGURE E

10.1 VA INSTALLATION

Model	VA part number #
T7xi / T7xe	1000356690
7xi / 7xe	1000356622



Note: If the console has a VA memory card installed, there will be a VIRTUAL ACTIVE icon on the home page (Figure A); if the console does not have a VA memory card installed, there will not be an icon (Figure B).



FIGURE A

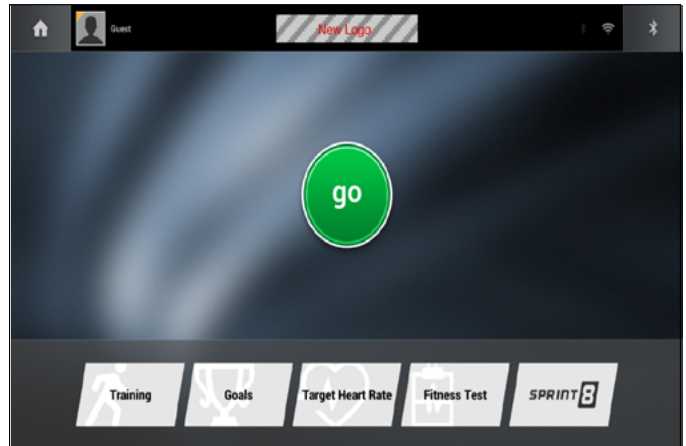


FIGURE B

10.1 VA INSTALLATION - CONTINUED

1. Remove the console back cover.
2. Push the memory card socket to the right side and the socket will be released (Figure A).
3. Put the VA memory card in the socket (Figure B).

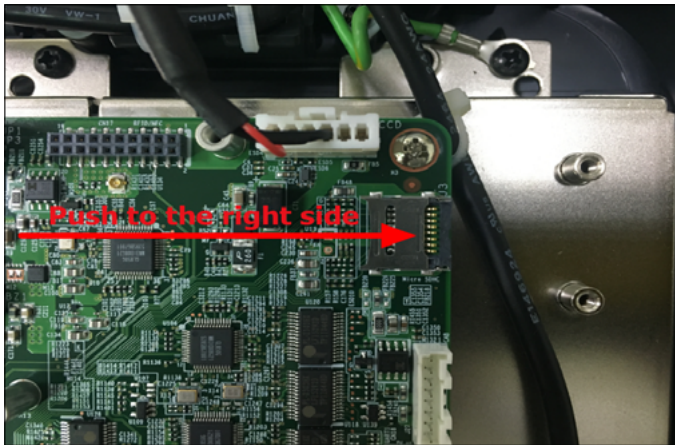


FIGURE A



FIGURE B

4. Push the memory card socket to the left side to secure the memory card (Figure C).

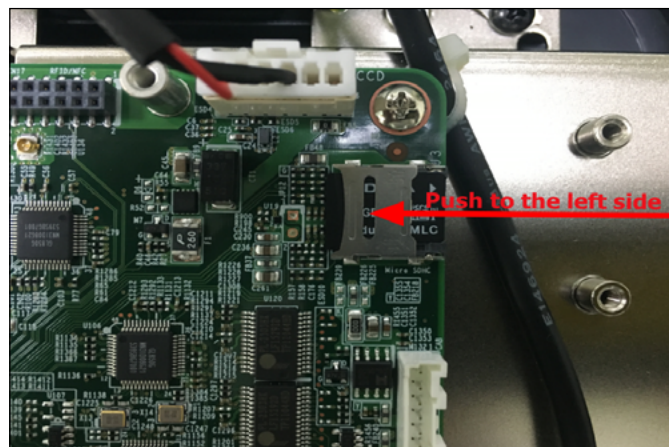


FIGURE C

10.2 RFID INSTALLATION

1. T7XE / T7XI RFID INSTALLATION

MAIN COMPONENT LIST OF RFID SET (PART NUMBER #1000375135)

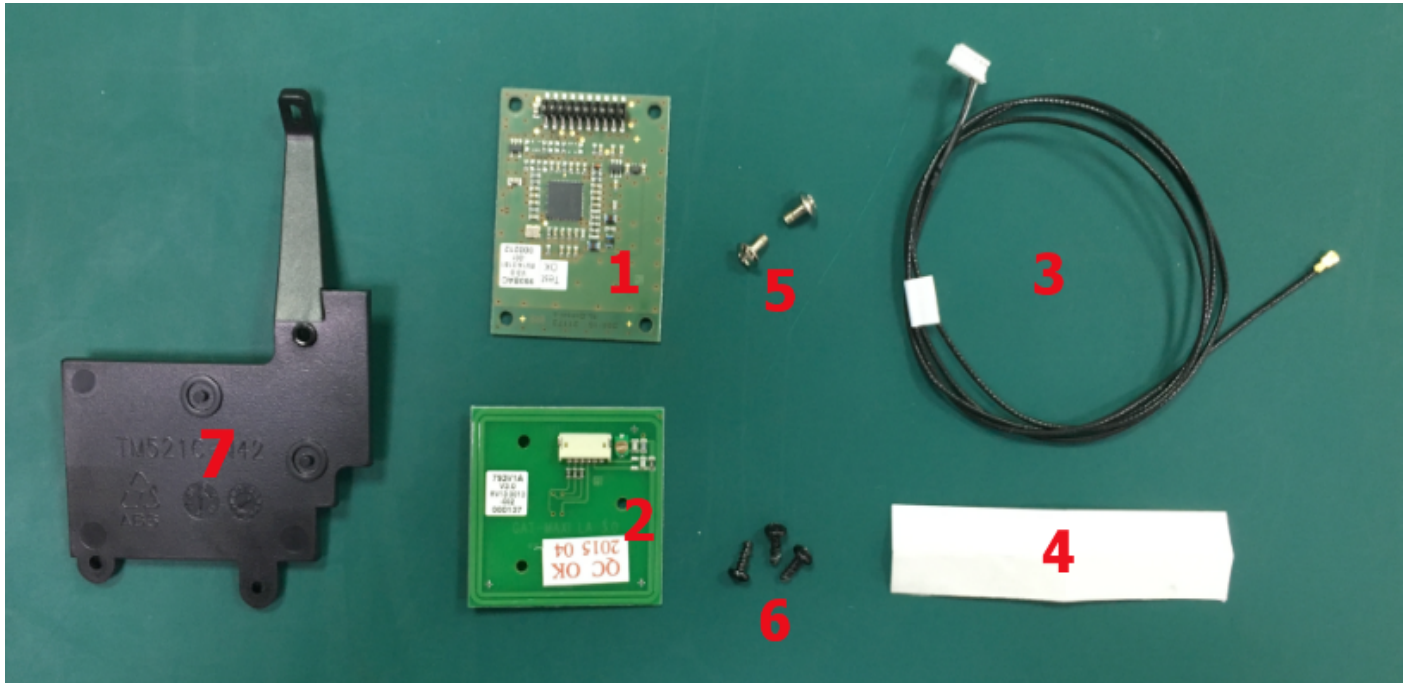


FIGURE A

Item	Part number	Description	Qty
1	1000355790	Reader;;;GAT-RM310 3.0;V3.1.1.0/V1.2;;EP	1
2	1000355791	Antenna board;;;GAT-MAXI LA 3.0;;;EP614C;	1
3	1000354646	Signal connected wire;;;;;;850(IPEX,MHF	1
4	1000309516	Tape;;;40x10x0.2;;EP614	4
5	004350-AB	SCREW;BH;M3X0.5PX6L;;PH;;;BP	2
6	1000356734	Fixing Bracket;;;PA746;BL/Black C;;TM521	1
7	008864-A	Screw;Round Head;Φ2.9x1.06Px7L;Hi/Lo Thr	3

10.2 RFID INSTALLATION - CONTINUED

1. Remove the console back cover. Connect the Signal connected wire to the Antenna board (Figure A).
2. Put the Antenna board on the front cover (Figure B).

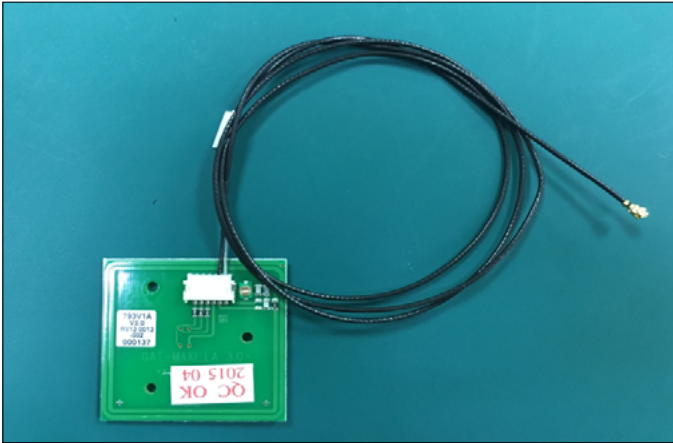


FIGURE A



FIGURE B

3. Put the Fixing Bracket on the Antenna board and use the three screws to secure it (Figure C).
4. Connect the Signal connected wire to the UCB (Figure D).

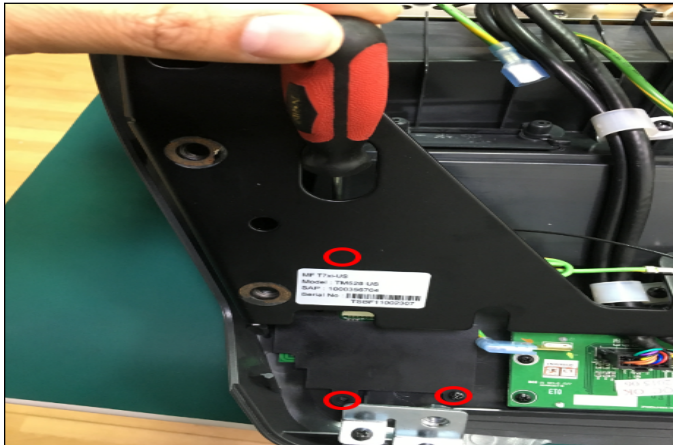


FIGURE C

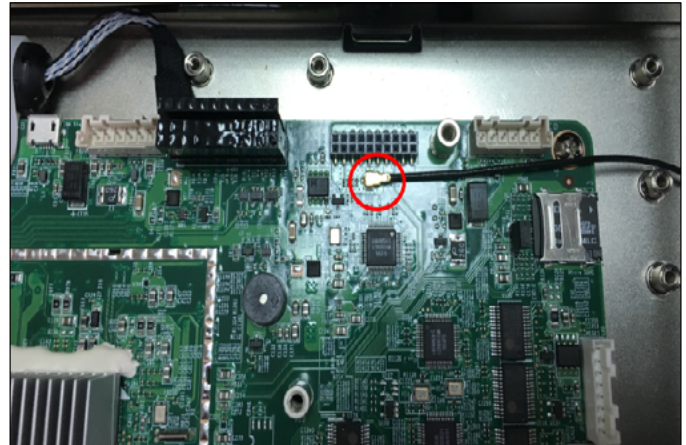


FIGURE D

5. Use the Tape to hold the Signal connected wire (Figure E).
6. Plug in the Reader board to the UCB and use the two screws to secure it. (Figure F).

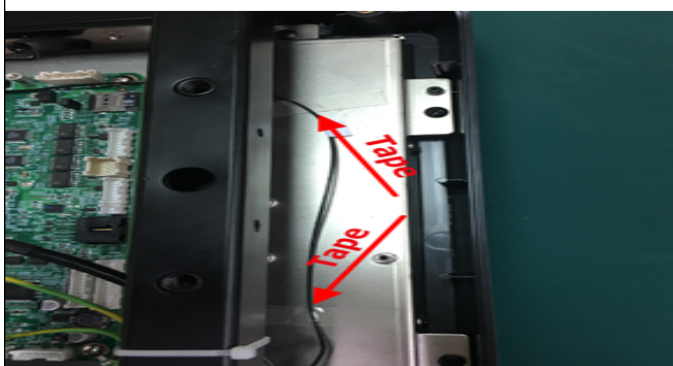
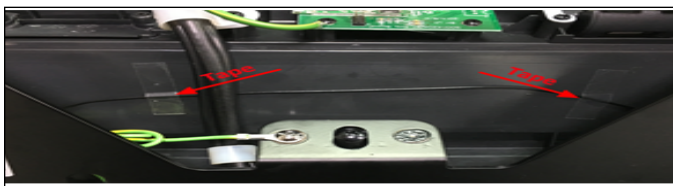


FIGURE E

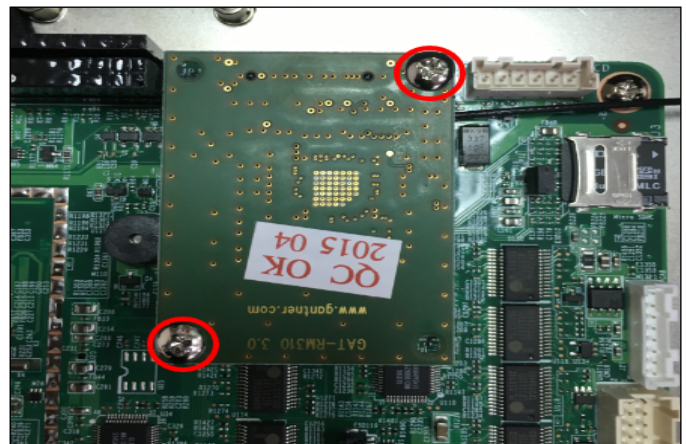


FIGURE F

10.2 RFID INSTALLATION

2. 7XE / 7XI RFID INSTALLATION

MAIN COMPONENT LIST OF RFID SET (PART NUMBER #1000375103)

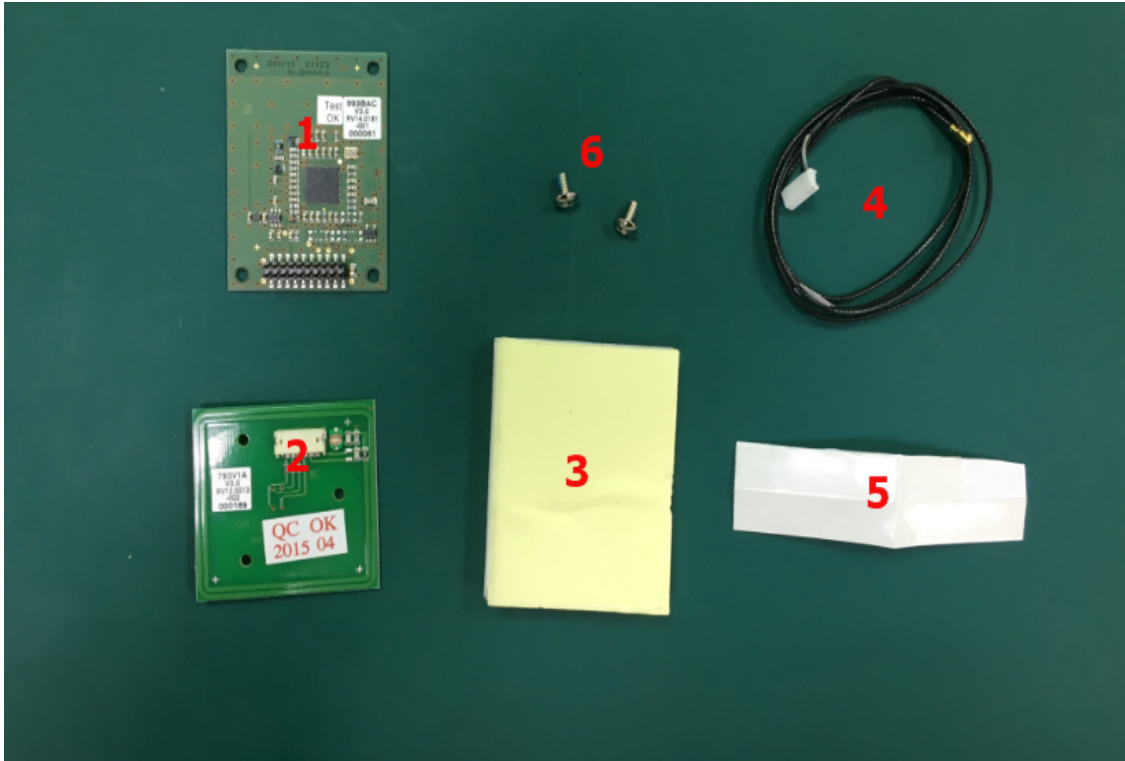


FIGURE A

Item	Part number	Description	Qty
1	1000355790	Reader;;;GAT-RM310 3.0;V3.1.1.0/V1.2;;EP	1
2	1000355791	Antenna board;;;GAT-MAXI LA 3.0;;;EP614C;	1
3	1000355754	Foam Tap;singleside;;EVA 46x60x5t;;EP614	2
4	1000354656	Signal CONN;;;;;;700(IPEX,MHF37+JST,ZHR	1
5	1000309516	Tape;;;40x10x0.2;;EP614	4
6	004350-AB	SCREW;BH;M3X0.5PX6L;;PH;;;BP	2

10.2 RFID INSTALLATION - CONTINUED

1. Remove the console back cover. Connect the Signal connected wire to the Antenna board (Figure A).
2. Remove the HR board and put the Antenna board on the front cover (Figure B).



FIGURE A

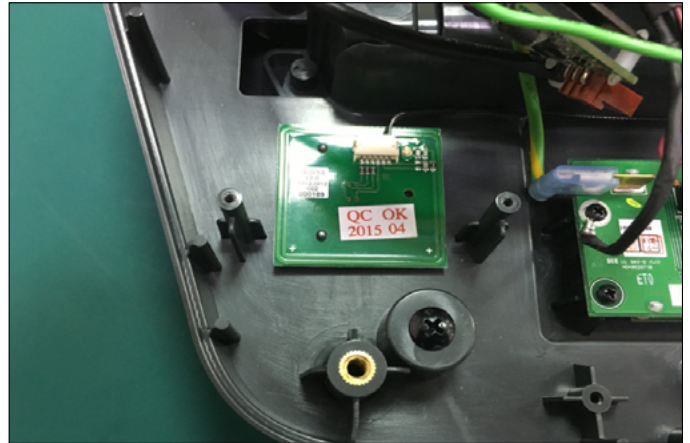


FIGURE B

3. Put the Foam Tap on the Antenna board (Figure C).
4. Install the HR board on top of the Antenna board (Figure D).

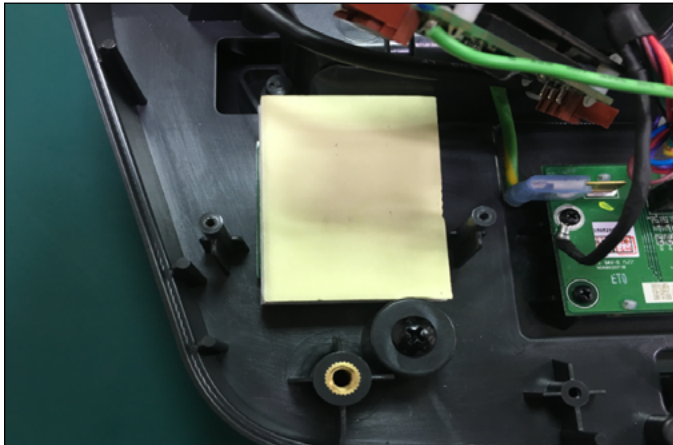


FIGURE C

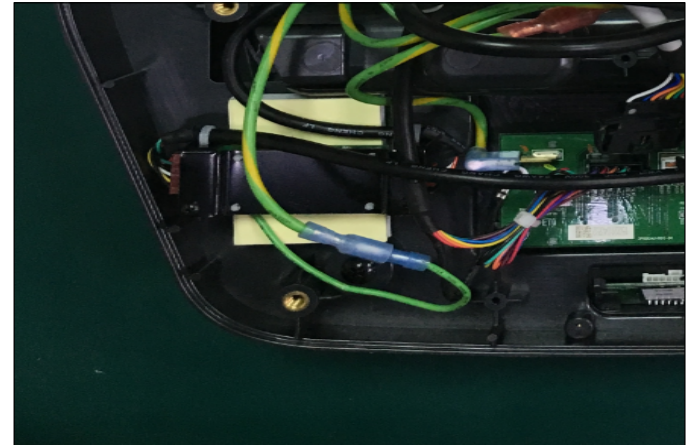


FIGURE D

5. Connect the Signal connected wire to the UCB (Figure E).
6. Use the Tape to hold the Signal connected wire (Figure F).

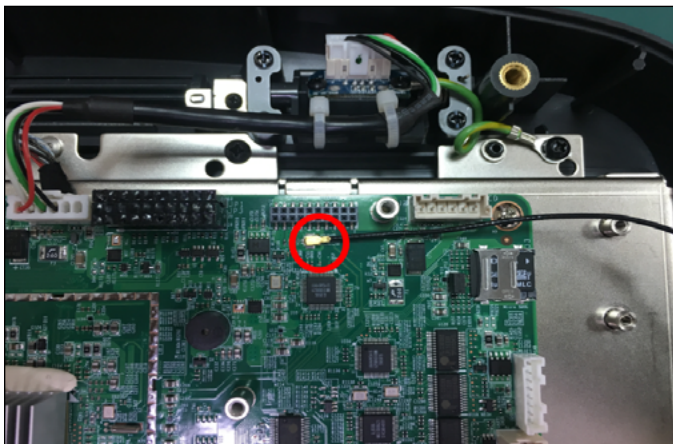


FIGURE E

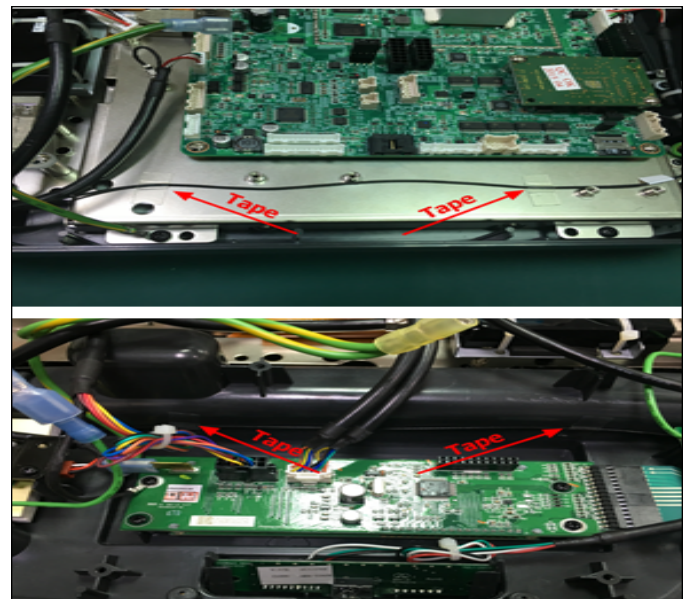


FIGURE F

10.2 RFID INSTALLATION - CONTINUED

7. Plug in the Reader board to the UCB and use the two screws secure it (Figure G).

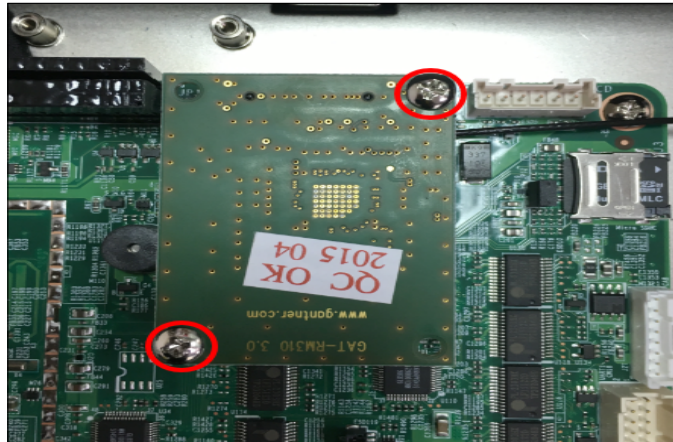


FIGURE G

3. 7XE / T7XE / 7XI / T7XI RFID INSTALLATION

1. Press the keys ENTER, 3, 0, 0, 1, ENTER for service mode, then select "Hardware". Press to select "RFID Module Installed" (Figure A).
2. Put the Wristband on the console to test it (Figure B). If RFID is working, the console will show this Wristband data on the screen (Figure C).

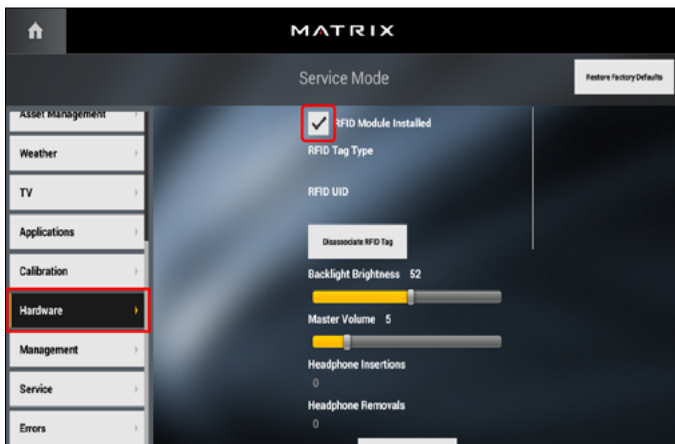


FIGURE A



FIGURE B

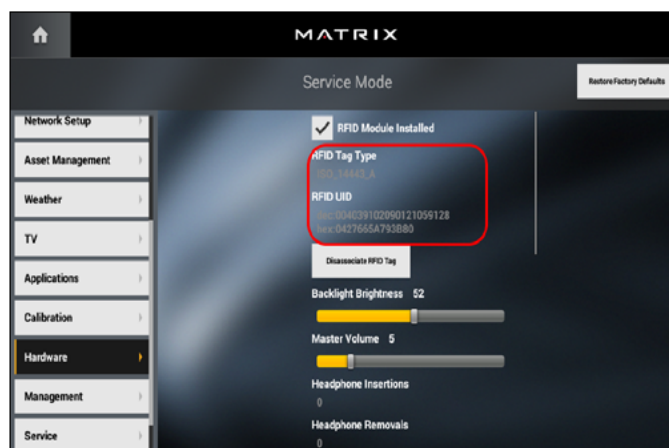


FIGURE C

10.3 TV PROGRAMMING INSTRUCTIONS

Once the cardio equipment has been installed and proper power and cable wiring is provided, the Television must be programmed to the club's channels and settings.

1. Enter Update manager by pressing ENTER, 3, 0, 0, 1, ENTER on the lower keypad. Then select TV, Source Selection "Coaxial", then press the Next button to "TV Channel Setup" (Figure A).
2. Set the Source Selection, Country, and Program List, then press "Start Scan" to begin scanning (Figure B).

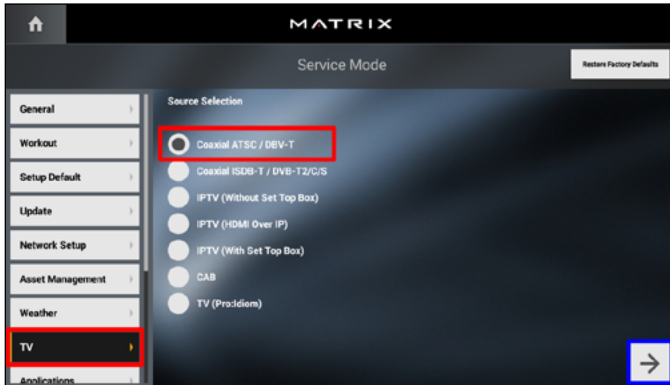


FIGURE A



FIGURE B

3. Scan Started will be displayed on the screen (Figure C).

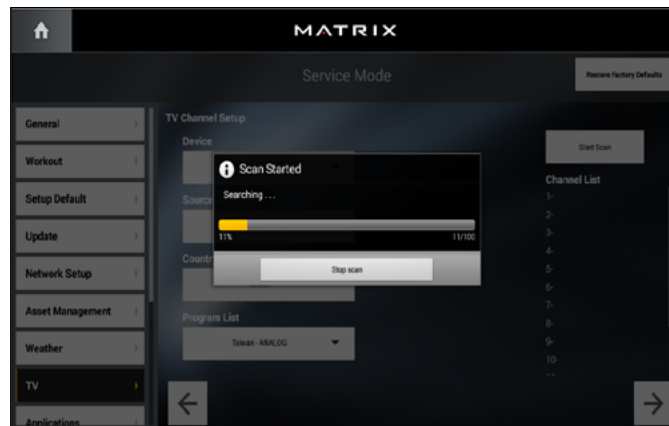


FIGURE C

CHAPTER 11: SOFTWARE UPGRADE PROCEDURE

11.1 SOFTWARE UPGRADE PROCEDURE FROM USB

NOTE: Don't power off the machine while the software is being installed. After the software has been installed completely, turn off the machine and wait 30 seconds, then turn the machine back on. If the display shows 04A0, turn off & turn on the machine again.

- 1) Copy the Generations software onto the USB drive (Figure A).
- 2) Insert the USB Drive into the USB port in the console (Figure B).
- 3) Enter Update manager by pressing ENTER, 3, 0, 0, 1, ENTER on the lower keypad. Select Update and update source "Update from USB" (Figure C).
- 4) Press "Install" to auto-run the upgrade process (Figure D).

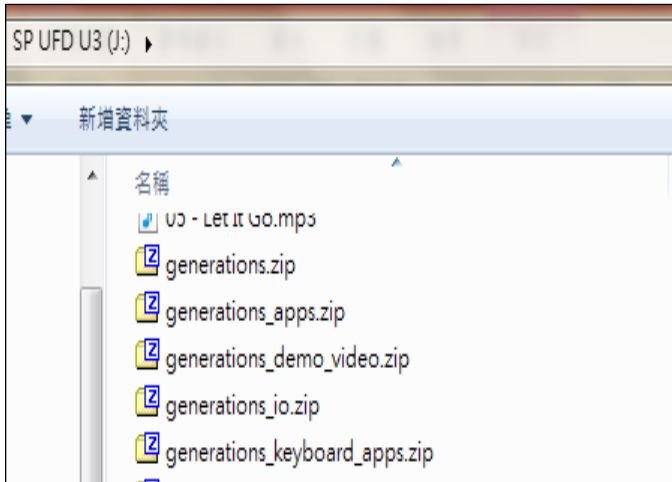


FIGURE A



FIGURE B



FIGURE C



FIGURE D

11.2 SOFTWARE UPGRADE PROCEDURE FROM WEBSITE

NOTE: Don't power off the machine while the software is being installed. After the software has been installed completely, turn off the machine and wait 30 seconds, then turn the machine back on. If the display shows 04A0, turn off & turn on the machine again.

- 1) Enter Update manager by pressing ENTER, 3, 0, 0, 1, ENTER on the lower keypad. Then select Update and update source "Check for Update" (Figure A).
- 2) Press "Install" to auto-run the upgrade process (Figure B).



FIGURE A



FIGURE B

NOTES



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