

License Information

Radio Device License Information

Warning: Changes or modifications to this device not expressly approved by CoachComm could void the user's authority to operate the equipment.

1. FCC Notices

- 1.1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may cause undesired operation.
- 1.2. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

2. Canada, Industry Canada (IC) Notices

- 2.1. This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

- 2.2. Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

- 2.3. This radio transmitter (FCCID: 2AX9C-CCT24, 2AX9C-CCT900, & 2AX9C-XPM900; IC: 30796-CCT24, 30796-CCT900, & 30796-XPM900) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (FCCID: 2AX9C-CCT24, 2AX9C-CCT900, & 2AX9C-XPM900; IC: 30796-CCT24, 30796-CCT900, & 30796-XPM900) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

- 2.4. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts

de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF-Exposure Statements

Radio Packs

X-System Radio Packs have been designed to be worn and used in close proximity to the human body—what the FCC calls a “portable” use.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment is in direct contact with the body of the user under normal operating conditions. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Player-worn Radio Packs

The Player-worn Radio Pack Module (XRP-CP01-900) or new Mini Module (XRP-CP01M-900) have been designed to be worn and used in close proximity to the human body - what the FCC calls a “portable” use.

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 1 cm (0.394 in.) between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux rayonnements FCC/ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé en respectant une distance minimale de 1 cm (0,394 po) entre la source de rayonnement et votre corps. Cet émetteur ne doit pas être installé à proximité d'une autre antenne ou d'un autre émetteur, ni fonctionner conjointement avec ceux-ci.

Radio Transceivers

The X-System Radio Transceiver has been designed for use as what the FCC calls a “mobile” device.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm (7.87 in.) between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Non-Radio-Device License Information

Warning: Changes or modifications to this device not expressly approved by CoachComm could void the user's authority to operate the equipment.

1. FCC Notices

- 1.1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may cause undesired operation.
- 1.2. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Appendix C: CoachComm X-System Coach to Player Communication

The Player-worn Radio Pack Module (XRP-CP01-900) or new Mini Module (XRP-CP01M-900) can be added as an upgrade package to the X-System line that will allow for coaches to communicate with players either in a practice or game day environment. Its small size, robust housing, and simple interface allow it to be placed where needed. Integration into the X-System is seamless as software connectivity will allow for full control and routing of audio from coaches to players as needed.

Note: Products and software associated with CoachComm X-System Player and Referee Cutoff are only functional with the CoachComm X-System Player upgrade package.

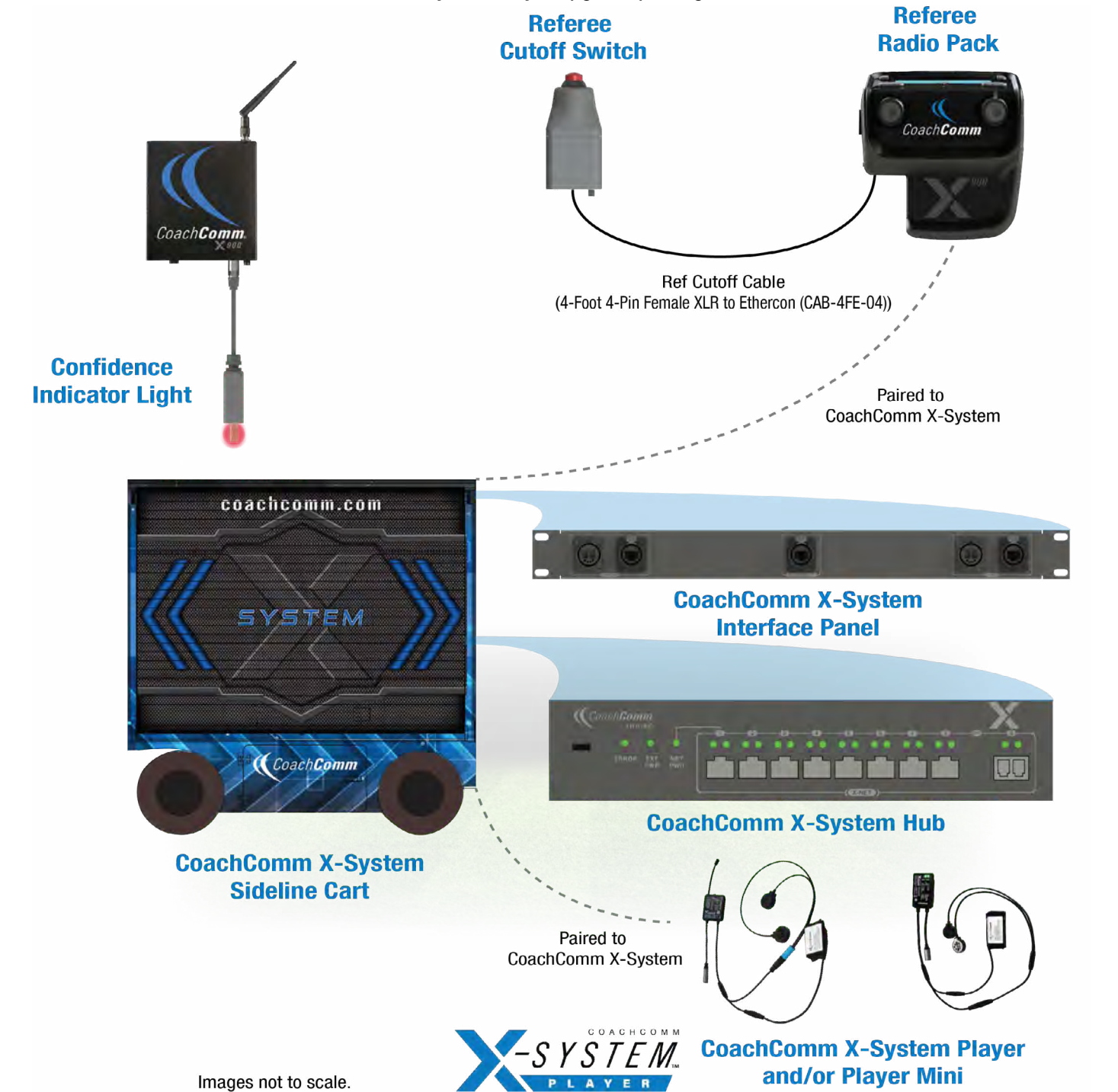


Figure 150: CoachComm X-System Player Block Diagram (Single Wireless Referee Cutoff Configuration)

Important Safety Information



WARNING: To prevent SERIOUS INJURY or DEATH, ALWAYS contact the helmet manufacturer for the approved device placement locations for the Radio Pack and its accessories. These may vary between helmet models and between helmet manufacturers.

- » ONLY use with NOCSAE compliant helmets.
- » ONLY use attachments or accessories specifically made for or approved by CoachComm.
- » ALWAYS refer all Radio Pack service to qualified CoachComm service personnel. There are no user serviceable parts inside the Radio Pack.
- » Before installing the Radio Pack and Speaker Assembly in a helmet, turn the volume to its lowest level. Place the Radio Pack and Speaker Assembly into the helmet following the recommendations of the helmet manufacturer for the specific helmet model.



CAUTION: HEARING LOSS HAZARD. To prevent possible permanent hearing loss, ALWAYS set the volume as low as possible depending on the ambient noise at practice or at a game.

- » DO NOT use Radio Pack if it emits any unusual loud noise. Turn Radio Pack off and contact CoachComm Customer Service.
- » Permanent hearing loss may result from exposure to high volumes or other loud noises.



WARNING: FIRE and EXPLOSION HAZARDS. Batteries may explode, may catch fire or cause chemical burns if damaged. To prevent SERIOUS INJURY or DEATH:

- » ALWAYS inspect batteries before use.
- » NEVER use batteries that appear swollen, deformed or damaged, feel hot or emit an unusual smell.
- » DO NOT allow batteries to overheat (reach temperatures of above 140 degrees Fahrenheit (60 degrees Celsius)). Keep batteries out of direct sunlight and away from other heat sources, including open flames.
- » REMOVE helmet immediately if you experience a warming sensation or loss of audio.
- » CoachComm recommends keeping a Class-D fire extinguisher available when charging lithium-polymer batteries. The chemicals inside lithium-polymer batteries are highly flammable.
- » ONLY use batteries approved for use with the Radio Pack. Contact CoachComm for assistance. Use of other batteries may present a risk of fire or explosion and the warranty will be terminated.
- » NEVER leave the batteries unattended while charging. Immediately unplug unit if battery begins to swell or emit smoke while charging. If battery bursts or chemicals begin to leak out of battery housing, the chemicals will react with the air and may result in a fire.
- » NEVER use a damaged charger.



CAUTION: California Prop 65

- » Lithium-ion batteries and products that contain lithium-ion batteries can expose you to chemicals including cobalt lithium nickel oxide, chromium and nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

CoachComm X-System Player Module

Components

- A. Coach/Player Radio Pack Module
- B. USB-C Charging/Pairing Port
- C. Speaker Assembly
- D. Rechargeable (LiPoly) Battery

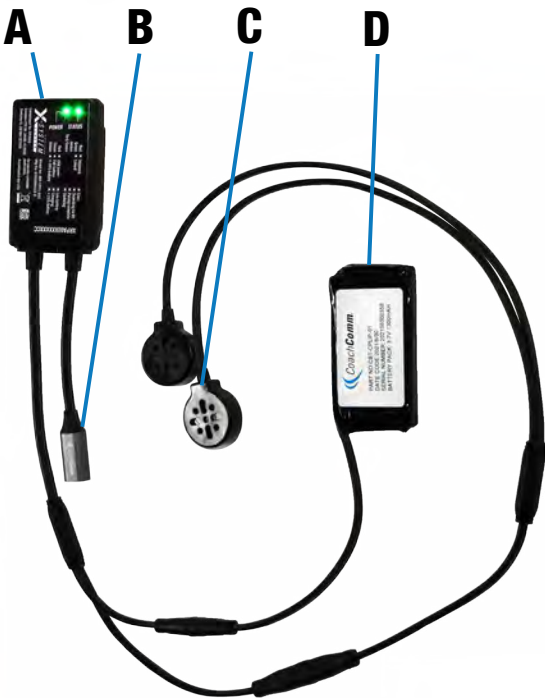


Figure 151: CoachComm X-System Player



Figure 152: CoachComm X-System Player Mini

LED Power and Status Indicators

Indicator	State	Description	Details
Status	Green	Linked	Device is actively logged into a Radio Transceiver.
	Flashing Green	Searching for RT	Device is searching for a Radio Transceiver.
	Red	Unpaired	Device is not paired to a Control Unit. No profile found.
	Flashing Red	Error	Device is in an error state. Please contact CoachComm support.
	Flashing Amber	Pairing Complete	Device was successfully paired to a Control Unit.
	Red/Green Flashing	Updating	Device is receiving a firmware update or a profile update.
Power	Green	Full Battery	Battery charging is complete (while plugged in) or the battery is more than 50% full (while on battery power).
	Flashing Green	Charging	Battery is actively charging.
	Red	USB Power	Device powered by USB; no battery is detected.
	Flashing Red	Low Battery	Low Battery. Less than 15 minutes of run-time remaining.
	Amber	< 50% Battery	Battery has less than 50% life remaining.
	Flashing Amber	< 25% Battery	Battery has less than 25% life remaining.
	Flash every 30sec	Sleep	Device is in low power mode. Shake for 3 seconds to turn on.

CoachComm X-System Player Setup

Contact CoachComm Customer Service for assistance setting up CoachComm X-System Player modules with X-System.

Adding a Player Conference

See “Adding a Conference” on page 68 for information on how to add a conference in X-Ware.

1. Create and name a new player conference.
2. CoachComm recommends enabling High Density mode if a large number of player modules will be paired to the X-System.

PLAYER D	PLAY D	☒	Call	Mic Kill
PLAYER O	PLAY O	☒	Call	Mic Kill

Figure 153: Player Conference Examples

Coach Profile Modifications

Assign the player conference to a Talk button on the RP Profile and/or a function button. See “Adding a Profile” on page 69 and “Editing or Cloning Profiles” on page 70 for information on how to add and edit a profile in X-Ware.

Note: Only XRP-13s support coach to player communications. XRP-22 and XRP-44 do not support coach to player communication using the function buttons, but the Talk buttons can be assigned to a player conference. The function button options below will not be available when the conference is assigned a Talk button.

The screenshot displays the 'Profile Management' tab for 'Coach Jackson'. It shows three conferences and two function buttons. Conference B and Function Button 1 are highlighted with red boxes to show player conference assignments.

Conference A	Conf: OFFENSE	Button Mode: AlwaysOn
Conference:	OFFENSE	Min Vol: 10, Max Vol: 20

Conference B	Conf: PLAYER O	Button Mode: AlwaysOn
Conference:	PLAYER O	Min Vol: 10, Max Vol: 20

Conference C	Conf: SPECIAL TEAMS	Button Mode: Momentary	Audio Overlay: Off
Conference:	SPECIAL TEAMS	Min Vol: 10, Max Vol: 20	
Button Mode:	Momentary		
Audio Overlay (AO)	Off		

Function Button 1	Function: C2PMix	Button Mode: Disable
Function:	Coach/Player Mix	Conference Assignment: PLAYER O
Button Mode:	Disable	

Function Button 2	Function: None	Button Mode: Disable
Function:	None	
Button Mode:	Disable	

Figure 154: Coach RP Profile Player Conferences Assigned to Talk Button and Function Button

1. Select XRP-CP01-900 as the model (use this same selection for the XRP-CP01M-900 mini player module).
2. Set the RF Mode to either Normal or High Density mode (CoachComm recommends High Density mode if a large number of player modules will be paired to the X-System).
3. Customize the Player Position and Number in the Icon Settings. See Figure 156 for an example of an CoachComm X-System Player Profile.
4. Select the Player Conference.

See “Assign Profiles from the Control Unit” on page 82 and “Assigning New Profiles” on page 60 for information on assigning this profile to the CoachComm X-System Player packs (if not selected when pairing in the next section).

Pair with X-System

1. Connect to bottom CU. Using the supplied USB-C to USB-A cable, plug the cable into the USB-C connector on the CoachComm X-System Player and into the USB-A connector on the bottom CU.
2. Follow CU prompts. Follow the normal pairing procedure on the LCD screen of the CU. Choose a profile from the list by scrolling left/right, then enter. When paired, the display will read “Pairing complete.”

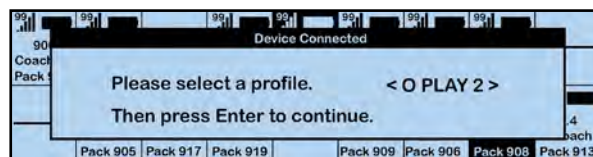


Figure 157: Select Player Profile on CU

Note: The STATUS LED on the CoachComm X-System Player will flash AMBER when pairing is complete. If the STATUS LED is RED, the X-System Player is not paired.

Coach Radio Pack Operation

On a coach RP, press the Function/Talk button that is assigned to the player conference. Audio will be sent to only those player modules and coach RPs with the player conference assigned.

CoachComm X-System Player Operation

Charge and Power On

1. Connect battery to CoachComm X-System Player. Make sure the arrows on the two connector ends are aligned.
2. Connect CoachComm X-System Player to charger. With the supplied USB Charger and USB-A to USB-C cable, connect to the Charging Connector on the CoachComm X-System Player. The POWER LED will be flashing green during charging and green when fully charged.

Note: The battery cannot be charged without being connected to the CoachComm X-System Player. Battery charge time should be approximately three and a half (3.5) hours.

3. Ensure the CoachComm X-System Player has been fully charged.

Note: The CoachComm X-System Player automatically powers down after approximately five (5) minutes of inactivity if it does not detect movement and is not connected to a system to conserve battery power. Shake CoachComm X-System Player for three seconds until the GREEN POWER LED comes on.

Assemble Parts

1. Attach speaker assembly. Connect the Speaker Assembly to the speaker connector on the CoachComm X-System Player. Check the Speaker Assembly is snapped into place and is securely connected to the CoachComm X-System Player.

2. (On First Assembly Only) Attach the “hook” side of the velcro onto the player module components on the side with no label, and attach the “loop” side of the velcro to the helmet. The circle velcro should be attached to the speakers on the side without speaker holes. The rectangle velcro should be attached to the player module and battery on the non-label side.



CAUTION: Removal of the product label may cause device damage and voids the warranty.

Determine Placement of Components



WARNING: To prevent SERIOUS INJURY or DEATH, ALWAYS contact the helmet manufacturer for the approved device placement locations for the Radio Pack and its accessories. These may vary between helmet models and between helmet manufacturers.

1. Adjust volume to lowest level. Before installing the CoachComm X-System Player and Speaker Assembly, turn the volume to its lowest level using X-Ware.



CAUTION: HEARING LOSS HAZARD. To prevent possible permanent hearing loss, ALWAYS set the volume as low as possible depending on the ambient noise at practice or at a game.

- » DO NOT use Radio Pack if it emits any unusual loud noise. Turn Radio Pack off and contact CoachComm Customer Service.
- » Permanent hearing loss may result from exposure to high volumes or other loud noises.

2. Follow the recommendations of the helmet manufacturer for the specific model helmet.

Power Off

Auto Sleep: Player module automatically goes into a sleep/low-power mode after approximately five (5) minutes of inactivity if it does not detect movement and is not connected to a system to conserve battery power.

Power Off: Unplug the CoachComm X-System Player Rechargeable Battery from the battery connector.

Note: Charge the CoachComm X-System Player battery after each use. Disconnect battery if storing for more than a week.

Product Care

To prevent damage to X-System Player Module:

- Never use cleaners that contain solvents.
- Keep liquid and foreign objects out of the device openings.
- If the product is exposed to rain or moisture, gently wipe off all surfaces, cables, and cable connections as soon as possible and allow unit to dry before storing in your case.

After each use:

- Power off all X-System Player Modules. Thoroughly dry off any moisture. Properly stow all gear in your case.
- Fully charge battery.
- Clean using a soft, damp cloth if needed.

CoachComm X-System Player Module Specifications

Specification	CoachComm X-System Player	CoachComm X-System Player Mini
Length:	1.875 in.	4.7 in. (with antenna), 1.86 in (module body)
Width:	2.75 in.	1.45 in.
Height:	0.625 in.	0.4 in.
Weight	0.25 lbs (113 g)	0.19 lbs (86 g)
Radio Certification	FCCID: 2AX9C-CCT900 and IC: 30796-CCT900	FCCID: 2AX9C-XPM900 and IC: 30796-XPM900