

# FOXPRO®

*High Performance Game Calls*



# CROSSFIRE

## Instruction Manual

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## Important Information

FOXPRO®'s goal is to provide our customers with the highest quality products in the industry. We take great pride in manufacturing our products in the USA. Please do not hesitate to contact us for assistance, comments or questions.

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[www.gofoxpro.com](http://www.gofoxpro.com)



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# 1. Getting Started

Congratulations on the purchase of your new FOXPRO CROSSFIRE digital wildlife caller. You have chosen a highly advanced product that is easy to use and loaded with a variety of innovative features. To get the full advantage of the CROSSFIRE, please read and understand the operating instructions in full.



**WARNING:** To avoid personal injury and product damage, read all operating instructions and safety precautions in this guide before using the FOXPRO CROSSFIRE digital game call system. A digital copy of this file can be downloaded from:  
[http://www.gofoxpro.com/resources/manuals/FOXPRO\\_CROSSFIRE\\_MANUAL.pdf](http://www.gofoxpro.com/resources/manuals/FOXPRO_CROSSFIRE_MANUAL.pdf)

## 1-1 What's in the Box?

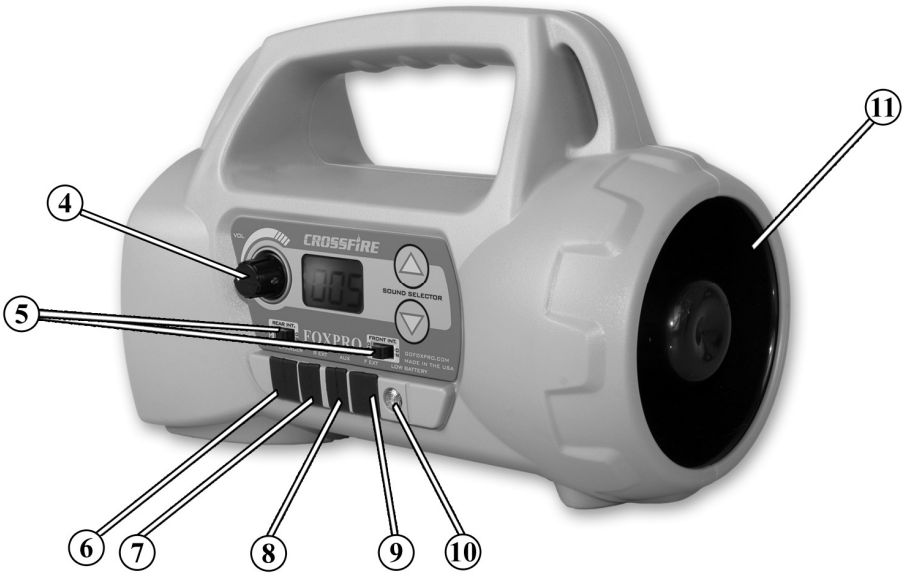
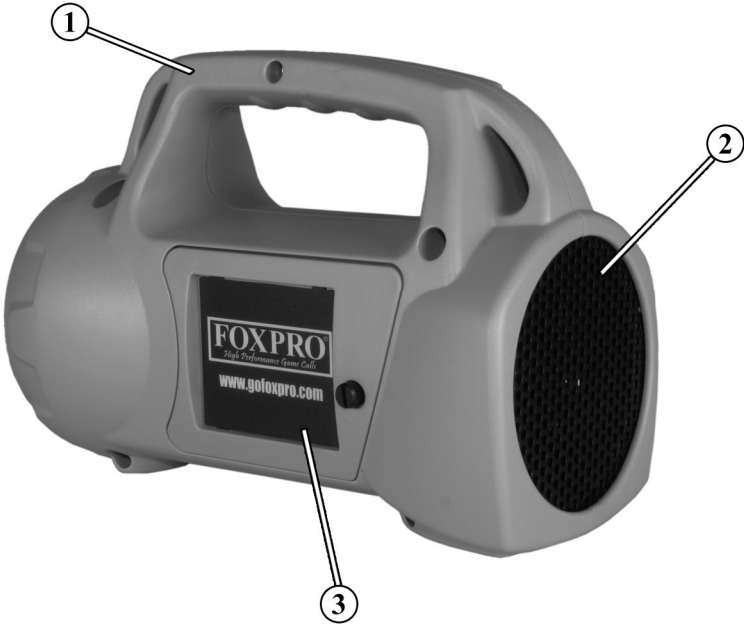
Included in the box, you should find the following list of items:

- 1) CROSSFIRE digital game call
- 2) CROSSFIRE (TX505) remote control
- 3) Operators manual
- 4) Warranty registration

## 1-2 CROSSFIRE: First Glance

The following chart corresponds to a graphic of the CROSSFIRE game call on the next page. Certain aspects of the CROSSFIRE are marked with a number that corresponds to the chart defining that particular element.

Number	Description
1	Rugged injection molded ABS housing
2	Rear cone speaker
3	Battery compartment door
4	Power switch and manual volume control
5	Rear and front speaker on/off switches
6	Charge jack
7	Rear external speaker jack
8	Auxiliary device jack
9	Front external speaker jack
10	Low battery indicator
11	Front horn speaker



## 1-3 CROSSFIRE: Power Requirements

The CROSSFIRE is shipped without batteries. It requires 8 'AA' batteries. You may use alkaline batteries to get started, but it is recommended that you use high capacity rechargeable NiMH (nickel metal hydride) batteries or one of FOXPRO's optional rechargeable battery packs. Visit the FOXPRO website to view the entire line of rechargeable kits available for the CROSSFIRE.

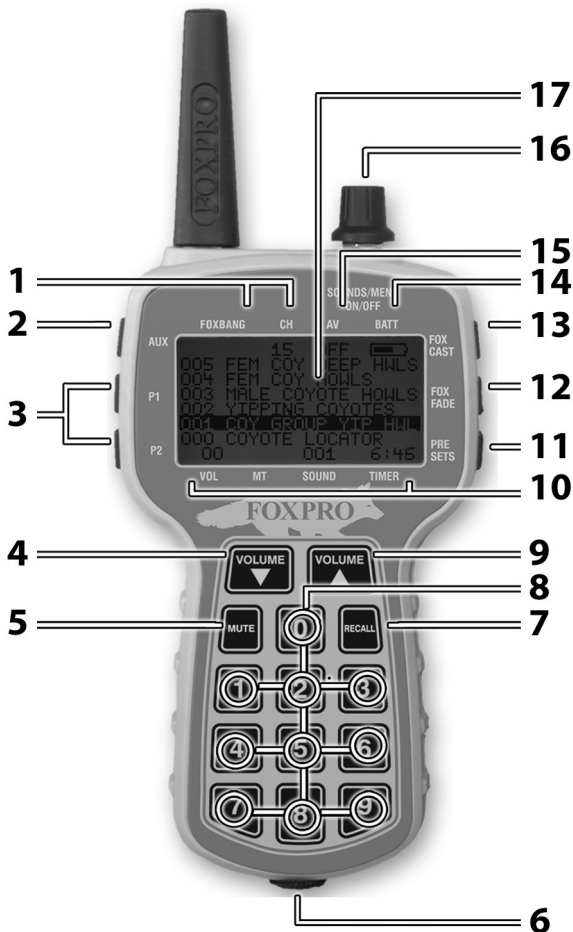
### Installing Batteries in the CROSSFIRE

1. Access the battery compartment by removing the door on the back of the CROSSFIRE. The door is secured with a knurled thumbscrew. After the door is removed, locate the black plastic battery tray. This tray is double-sided, providing spaces for 8 'AA' batteries. The tray is connected to a power cable—you may unplug this cable during battery installation.
2. Place the batteries into each battery cavity. Be sure to observe polarity as indicated.
3. Reconnect the power cable (if you unplugged it). Place the battery tray back inside of the CROSSFIRE.
4. Secure the door back to the CROSSFIRE.

## 1-4 CROSSFIRE Remote: First Glance

The following chart corresponds to a graphic depicting the CROSSFIRE remote. Certain aspects of the CROSSFIRE remote are marked with a number that corresponds to the chart defining that particular element.

Number	Description	Number	Description
1	FOXBANG indicator (left), channel of operation indicator (right)	10	Bottom status line indicating: volume indicator, mute status indicator, current sound indicator, and elapsed timer
2	Auxiliary button	11	Preset mode select
3	Preset quick-access P1 & P2 buttons	12	FOXFADE
4	Volume down button	13	Sequence / FOXCAST mode select
5	Mute button	14	Battery level indicator
6	Lanyard loop	15	Auto Volume on/off indicator
7	Recall button	16	Rotary selector knob / send button
8	Numeric keypad	17	Graphic LCD panel
9	Volume up button		



## 1-5 CROSSFIRE Remote: Power Requirements

The CROSSFIRE remote operates on 3 'AA' batteries. It is recommended that you use high quality lithium or alkaline batteries for the best performance.

### Installing Batteries in the CROSSFIRE Remote

1. Access the battery compartment by removing the door from the back of the remote. The door slides down and off of the remote.
2. Place the batteries into each battery cavity while observing polarity as indicated.
3. Slide the battery compartment door back on the remote.

## 2. Quick Start Guide

We realize that some of you may wish to jump directly into basic operations without reading the entire manual. This is a very brief overview that describes how to play sounds manually and



remotely. It is strongly recommended to read the entire manual to fully understand all of the capabilities of the system.

## 2-1 Playing Sounds Manually

Before continuing through these steps, make sure that you have fresh batteries installed in the CROSSFIRE.

1. Make sure that at least one of your speaker selector switches is moved to the “On” position.
2. Turn on the CROSSFIRE by rotating the volume/power knob clockwise—you should hear a click. Please keep in mind that this knob is also the volume control when operating the device manually. The further you turn the knob clockwise, the louder it will play. As you turn on the CROSSFIRE, the LCD panel will briefly display two numbers representing the channel of operation, the firmware version, and then three horizontal lines.
3. Press the up or down arrow button on the CROSSFIRE to cycle through the sound numbers. The display goes from 000 to 499. From the factory, the device will have 75 sounds installed in positions 000 – 099. Once you have selected a sound number, release the button and the sound should begin playing immediately. You will need to adjust the volume level with the volume/power knob.
4. To pick a different sound use the sound up or down arrow buttons.
5. To stop playback, turn the CROSSFIRE off.

## 2-2 Playing Sounds Remotely



### IMPORTANT NOTE

The Crossfire remote control is not intended to operate the caller at distances shorter than 1 meter (3 feet). If the remote is located too close to the caller, proper operation cannot be ensured.

The most popular method of operation is with the CROSSFIRE remote control. This section discusses basic remote control operations. Before continuing, make sure that the CROSSFIRE and the remote both have fresh batteries installed.

1. Turn on the CROSSFIRE.
2. Turn on the CROSSFIRE remote by pressing down and holding the rotary selector knob for about 1-2 seconds. Watch the screen closely; it will display some information including version details. After it is fully powered up, you will see the sound list.
3. The first page shows the first 6 sounds from 000 – 005. Sound 000 will be highlighted by a black bar. By turning the selector knob left or right, the highlight bar moves up and down the screen.

4. When you highlight a sound that you wish to play, push down on the selector knob a single time. This causes the remote control to send a signal to the CROSSFIRE, instructing it to play that sound.
5. Adjust your volume level using the volume up arrow button. You can make individual pushes or you can quickly ramp the volume up by pushing and holding the volume up button. To lower the volume, use the volume down button.
6. To change to a different sound, use the selector knob to highlight a different sound, and then push down on the selector knob to tell the CROSSFIRE to play it.
7. To stop the sound, push the mute button. Notice that a letter “M” appears in mute-status indicator on the remote control screen. The mute button pauses the sound at its current position. While muted, you can switch to a different sound and adjust the volume level. To start playing again, push the mute button.
8. You can also use the numeric keypad to type in the number of a sound you wish to play. For example, if sound 023 is “Gray Fox Distress”, instead of scrolling to that sound, simply type in 0-2-3 on the keypad and it will immediately begin playback of that sound.
9. When you are finished, use the mute button to stop the sound. Turn off the CROSSFIRE remote and then turn off the CROSSFIRE.

### **3. About the CROSSFIRE Speakers**

The CROSSFIRE incorporates two different types of loudspeakers. The front speaker is a high efficiency horn with maximum sensitivity in the frequency range necessary to reproduce small animal distress sounds. Distress sounds of rabbits, small rodents, birds, canines, and many others are best reproduced by using the front horn only with the rear cone speaker turned off. This will also ensure maximum battery life as playing both speakers requires almost twice as much battery power.

The rear cone speaker is best suited to sounds that have significant lower frequency content. These sounds would include bear growls, mountain lion roars, certain owl hoots, and some other large mammal sounds. The rear speaker, however, is not as efficient as the front horn. Because of this, it will not play as loud as the horn. Understand that not all calling sounds will benefit greatly from playing both speakers at once. If you elect to do this, remember that battery life will be reduced.

### **4. Using External Speakers**

The CROSSFIRE is equipped with two External Speaker Jacks which allows you to connect up to two additional speakers. The internal speakers perform admirably; however, you may encounter situations that require higher volume levels. By connecting a larger and more efficient external speaker(s) to the CROSSFIRE, the volume level can be increased significantly.

#### **4-1 Connecting an External Speaker**

The external speaker jacks on your CROSSFIRE accept standard 3.5mm plugs. When choosing an external speaker it is recommended to use one with an impedance rating of 8-ohms.



## WARNING

Make sure that the CROSSFIRE is turned OFF prior to connecting an external speaker!

To connect an external speaker, plug the connector of the external speaker into one of the external speaker jacks. You will notice that each external speaker jack corresponds with one of the internal speakers. For example, internal front speaker and front external speaker are linked together. If you wish to have ONLY the external speaker(s) produce sound, you must disable the internal speakers as the internal speakers are not disabled automatically.

### 4-2 Disabling/Enabling the Internal Speaker

Move the speaker slide switch to the “OFF” position for the desired speaker you wish to disable (front or back). To re-enable the speaker later, simply place the slide switch back to the “ON” position. By disabling the internal speaker(s) when using an external speaker(s), battery life will be extended longer than having all of the speakers operating at once.

## 5. Batteries and Charging

The CROSSFIRE operates on 8 ‘AA’ batteries. For optimal performance and run times, we recommend using high capacity (2000 mAh or higher) NiMH (nickel metal hydride) rechargeable batteries rather than alkaline types. When you operate the CROSSFIRE to play at extremely loud volume levels, the current demand on the batteries is much more than alkaline cells can deliver. Consequently, the run time of these batteries can be very short. The Zinc Carbon so-called “Heavy Duty” cells are expressly not recommended.

Your FOXPRO® unit incorporates circuitry to terminate charge current if high battery temperatures are detected. Battery temperatures increase at the end of the charge cycle. If the temperature edges towards a dangerous level, the charge current will be interrupted and the green LED will extinguish. If excessive temperature is not detected, the green LED will not be extinguished. It is quite possible for the batteries to be fully charged without their temperature rising to the dangerous level. For this reason, **the LED should not be considered as a “full charge” indicator** as it may or may not extinguish when the batteries are fully charged. The batteries are fully charged any time their temperature rises substantially above ambient. How long this takes depends on how much charge has been taken from the batteries and how much time has passed since the last charge. If the green LED goes out, the batteries are definitely charged. If the green LED is on and the batteries are cool, they are still charging. If the green LED is on and the batteries are very warm, they are fully charged and you should terminate the charge by unplugging the charger.

**You should not permit the charge to continue for more than 10 hours under any circumstances.** The batteries need to be recharged when the “Low Battery” LED is blinking. Battery run time is directly related to how loud you operate the CROSSFIRE. Using both speakers at the same time rather than only the most appropriate one will have a negative impact on run time. With one speaker playing, expect 6 to 15 hours of run time, depending on

the loudness setting. With both speakers playing, expect 3 to 10 hours. Remember that very loud volumes are rarely needed as animals hear much better than we do.

All FOXPRO rechargeable battery kits are shipped with individual instruction sets that pertain to their unique operations. The following list of cautions and warnings should be observed with any rechargeable system you decide to use.



## WARNING

**Do not mix battery types!** For example: never use NiMH rechargeable batteries in conjunction with non-rechargeable alkaline batteries.



## WARNING

**Never connect your CROSSFIRE to an unregulated 12V system (i.e. automotive systems, high current power supplies, etc.)** Serious damage will occur which is not covered by the warranty. The charge jack is intended only for FOXPRO® chargers.



## WARNING

**Never attach an unapproved or a non-FOXPRO® charger to your CROSSFIRE!** Damages caused by plugging unapproved charging devices into your CROSSFIRE will not be covered by warranty.

## GENERAL PRECAUTIONS FOR CHARGING

- **Never attempt to charge batteries that are not intended to be recharged!** This includes both Zinc Carbon and alkaline cells. The resulting damage can be serious and will not be covered by the warranty. For maximum charge efficiency, we recommend charging your CROSSFIRE in temperatures ranging from 40°F to 85°F (5°C to 30°C).
- Disconnect any/all accessory devices that may be attached to the CROSSFIRE prior to charging. This includes external speakers, auxiliary devices, and USB cables.
- Make sure that the rechargeable battery pack is installed in the CROSSFIRE properly.
- Connect the approved FOXPRO charger to the charger jack on the CROSSFIRE and attach the transformer to the appropriate outlet.
- Remember that NiMH batteries self-discharge about 1% per day.
- Do not leave charging batteries unattended.
- Remove batteries from battery holder when caller will not be used for prolonged periods to help prevent deep discharge.
- Recharge your batteries periodically—even when not in use—to prevent deep discharge.

## 6. Using External Power Sources

The design of the CROSSFIRE permits the use of certain external power sources, so long as some precautions are observed. The 8-cell internal battery pack will serve about 98 percent of the users about 98 percent of the time. This makes for a caller that is compact and lightweight, highly portable, and has very good battery life. However, we recognized that there may be times when extended run-times and additional loudness are more important than lightweight and absolute portability. You can have the best of both worlds with the CROSSFIRE!

By connecting a large external 12-volt battery to the external power adapter replacement door (sold separately at FOXPRO), you can operate the CROSSFIRE and obtain run-times measured in days rather than hours. A NiMH battery pack supplies 9.6 volts to the power amplifier, while an external battery can supply up to 14 volts. This additional voltage will offer an increase in power output to the speakers, equating to additional loudness. But there is a double-edged sword involved here. By giving the user the ability to get more power from the amplifier, there is also a much greater chance of causing damage to the built-in speakers. For this reason, we recommend using one of our large external speakers, such as the SP-60, if you really need to, say, call crows from the next county. Not only are these speakers more efficient, they will have no problem dealing with the extra power.

**NOTE:** If you must use extreme volume without the external speaker, use only the front horn. The rear cone speaker is somewhat more delicate than the front horn. Please be careful with the volume control, and remember these cautions when using an external battery:

- NEVER connect an external battery to the charge jack.
- NEVER connect a battery or power supply capable of delivering more than 15 volts to the charge jack.
- NEVER charge the external battery while it is connected to the CROSSFIRE.
- ALWAYS use a 5 amp (max) fuse in the positive battery lead.
- ALWAYS act responsibly with the volume control to prevent speaker damage.
- For maximum possible loudness, use one of our optional external speakers, such as the SP-60.

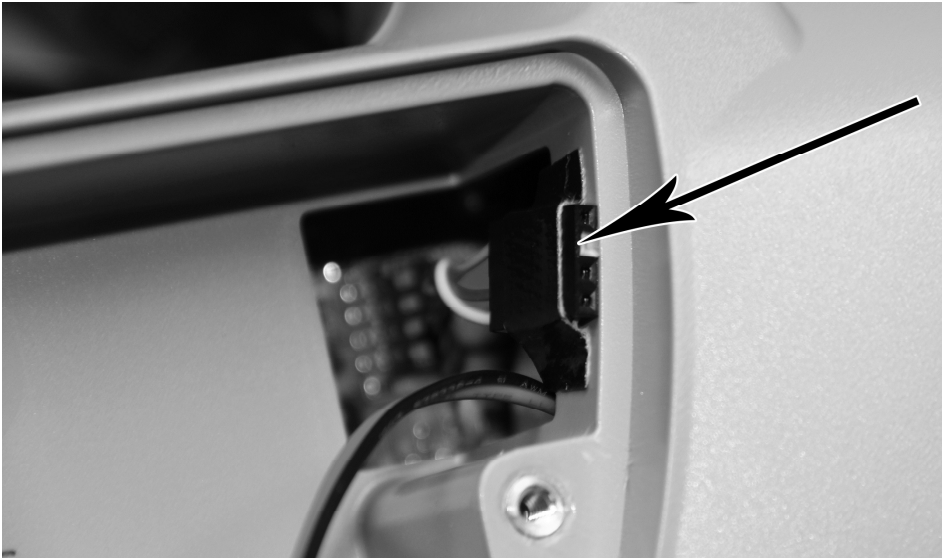
## 7. Auxiliary Devices

The CROSSFIRE is equipped with an auxiliary jack labeled "AUX". The purpose of this jack is to allow for the connection of certain external devices, such as the FOXPRO® Jack-Attack or FOXJACK Decoy and to be able to turn these on and off with the TX505 remote control transmitter. However, there are some strict electrical limits involved with this jack. If these limits are exceeded, damage to your CROSSFIRE will result. This damage is not covered by the warranty.

The electrically inclined will want to know that the jack is connected to the drain of an internal Field Effect Transistor with a maximum current rating of 100mA. The “tip” polarity of the 3.5mm jack is positive, while the sleeve is negative. If the external device is connected with the polarity reversed, an internal protection diode within the FET will conduct, causing the device to stay on constantly. The maximum voltage applied to this jack must never exceed 15 volts. Typical uses for this jack would be to control the FOXPRO® Jack-Attack or FOXJACK Decoy, or to start and stop a video recorder. Instructions on connecting various devices to the “AUX” jack are beyond the scope of this manual. You are urged to seek help from a knowledgeable professional before connecting any unapproved device to this jack. Remember that damage to your CROSSFIRE caused by improper use of the “AUX” jack is not covered by the warranty, nor will FOXPRO® be liable for damage to any device connected to this jack.

## 7-1 Integrated Decoy Wiring Harness

The Crossfire features an integrated decoy wiring harness (see image below) for connecting the Fox Jack 4 decoy. Unlike other decoys offered by FOXPRO (i.e. Black Jack Decoy, Jack Attack Decoy) that require their own power supply and wired connection to the AUX jack, the Fox Jack 4 Decoy mounts directly to the back of the Crossfire and interfaces to the wiring harness for power and triggering of the decoy motion. Please note that this wiring harness is designed to be used only with the Fox Jack 4 decoy. When you first remove the battery compartment door from the Crossfire, you can find the wiring harness taped to the upper right side of the battery compartment.



## 8. CROSSFIRE Remote Menu System

This chapter focuses solely upon the CROSSFIRE Remote menu system. The CROSSFIRE Remote (TX505) features a menu-driven configuration system that allows you to perform various system changes. Throughout this chapter (and other chapters), you will find references to the **Main Menu**. The Main Menu is accessible through the TX505. While the TX505 is turned on, press and hold down the rotary selector knob for about 2-3 seconds. The screen that appears is the Main Menu (note that the top status line of the TX505 shows “MAIN MENU”).

Every time you enter the Main Menu, the first option, “TURN OFF TRANSMITTER” is highlighted. The item that is highlighted is referred to as the **selected item**. Be careful to not push down the selector knob while this item is highlighted unless you truly wish to turn off the TX505. You can move the highlight bar up or down by rotating the rotary selector knob clockwise or counterclockwise.

The Main Menu has multiple sub-menus that provide access for making changes to the TX505. This chapter explores each menu item that you can encounter and all associated aspects.

### 8-1 TURN OFF TRANSMITTER

By selecting this menu item, you will turn off the transmitter. Please note that it is recommended to make sure the CROSSFIRE is no longer playing a sound prior to turning off the transmitter. Turning off the transmitter does not stop sound playback.

### 8-2 FOXBANG/FOXGRIP

The following chart shows all of the options available inside of the FOXBANG/FOXGRIP menu along with all possible settings.

FOXBANG/FOXGRIP	
Provides access to configurations for FOXBANG and FOXGRIP	
Name	Details
FOXGRIP OPTIONS	Configure FOXGRIP function: OFF, AUX, P1, P2, TOGGLE MUTE
UNMUTE PRESET FG	Will un-mute a muted sound upon FG activation.
FOXBANG OPTIONS	Configure FOXBANG function: OFF, AUX, P1, P2, TOGGLE MUTE
UNMUTE PRESET FB	Will un-mute a muted sound upon FB activation.
FOXBANG SENSITIVITY	HIGHEST, HIGH, MEDIUM, LOW, LOWEST

#### What is FOXGRIP?

FOXPRO’s FOXGRIP is an accessory device that can be paired with your TX505 remote control to trigger specific events. For example, if using the original FOXGRIP (<http://www.gofoxpro.com/site/products/accessories/foxgrip>) you can have the FOXGRIP

button set to activate a number of features such as P1, P2, toggle mute, or activate an auxiliary device. Please refer to the products instruction for more information.

## Turning On FOXGRIP

By selecting one of the options (other than off), you are turning on the FOXGRIP function. This sets the remote control into a state where it will then begin listening for radio signals being sent from a FOXGRIP device.

All FOXPRO FOXGRIP devices ship with their own specific instruction manuals or you can find their respective manuals on the FOXPRO website at: <http://www.gofoxpro.com>

## FOXGRIP OPTIONS

**FOXGRIP OFF** disables FOXGRIP entirely. Any button presses made from your FOXGRIP device will be ignored. **FOXGRIP AUX** configures FOXGRIP activation to trigger an auxiliary device that may be connected to the auxiliary device jack (such as the FOXPRO Jack Attack decoy).

**FOXGRIP P1** configures FOXGRIP activation to trigger preset number 1. **FOXGRIP P2** configures FOXGRIP activation to trigger preset number 2. **TOGGLE MUTE** configures FOXGRIP activation to toggle the current mute state (from off to on or vice versa).

## UNMUTE PRESET FG

When using FOXGRIP activation to trigger P1 or P2, this feature will check whether or not the remote control is muted before activating the preset. If it is muted, having this option enabled will result in un-muting of the device when the preset is activated through FOXGRIP.

## What is FOXBANG?

The TX505 remote control contains a sensor that can detect the report from a firearm when discharged. When this is detected, the TX505 will automatically activate a specific feature that you have established.

## Turning On FOXBANG

To turn on FOXBANG, you only need to select one of the features from the FOXBANG OPTIONS menu (except for off). This activates the sensor and it will immediately begin listening for the discharge of your firearm.

## FOXBANG OPTIONS

**FOXBANG OFF** disables FOXBANG entirely. It will not respond to the report of a firearm.

**FOXBANG AUX** configures FOXBANG activation to trigger an auxiliary device that may be connected to the auxiliary device jack (such as the FOXPRO Jack Attack decoy). **FOXBANG P1** configures FOXBANG to trigger preset number 1. **FOXBANG P2** configures FOXBANG to trigger preset number 2. **TOGGLE MUTE** configures FOXBANG activation to toggle the current mute state (from off to on or vice versa).



## UNMUTE PRESET FB

When using FOXBANG activation to trigger P1 or P2, this feature will check whether or not the remote control is muted before activating the preset. If it is muted, having this option enabled will result in un-muting of the device when the preset is activated through FOXBANG.

## FOXBANG SENSITIVITY

This menu allows you to adjust the sensitivity level of the FOXBANG sensor. There are 5 levels to choose from: highest, high, medium, low, and lowest.



### IMPORTANT NOTE

**NOTE:** When you activate FOXBANG it will automatically use the previous sensitivity setting. The factory default sensitivity is medium. You may need to adjust this in order to get the right setting for your firearm. If you are using a large caliber (.30-06), you would want to select a lower sensitivity. If using a smaller firearm (such as .17HMR or .22), use the higher sensitivity. Medium settings should be suitable for .17 Fireball, .223, .22-250, etc.

## 8-3 CALL CONTROL

This menu allows you to select how the CROSSFIRE will operate. To access this menu, push and hold down the selector knob for about 3-4 seconds. Use the selector knob to highlight “CALL CONTROL” and then push down on the selector knob a single time to reveal the available options. All options are featured in this section.

CALL CONTROL (UNIT ON)	
CROSSFIRE Configuration	
Name	Details
MONO/STEREO	MONO, STEREO, REVERSE STEREO
PLAY MODES	REPEAT MODE, SINGLE PLAY MODE, JUKEBOX MODE
AUTO-V ON	Turn on Auto Volume
AUTO-V OFF	Turn off Auto Volume

## MONO/STEREO

This menu allows you to specify the playback mode of the CROSSFIRE. The available options are:

MONO (.24B ONLY)  
STEREO (DEFAULT)  
REVERSE STEREO (.24B ONLY)

By default, the CROSSFIRE is set to operate in **stereo mode**. If playing a stereo audio file, the left audio channel plays through the front (horn) speaker while the right audio channel plays

through the rear (cone) speaker. **Reverse stereo mode** only works with 24B audio files. It enables you to flip the left and right audio channels. For example, if you have a stereo sound such as coyote & rabbit (coyote on left channel, rabbit on right channel), reverse stereo mode will flip the two sounds to come out of the opposite speaker. This can be changed during sound playback. **Mono mode** only works on 24B audio files. It condenses a stereo sound, such as coyote & rabbit so that both sounds are played out of each speaker simultaneously.

## PLAY MODES

This menu allows you to specify which mode of sound playback the CROSSFIRE will operate on. The available options are:

REPEAT  
SINGLE PLAY MODE  
JUKEBOX MODE

The default setting is **repeat**. In this play mode, the CROSSFIRE will continuously play the sounds non-stop. In **single play mode** the sounds will play a single time and then stop. In **jukebox mode** the sounds play a single time, incrementally. After playing sound 000 a single time, the CROSSFIRE will move on to sound 001 and so forth.

## AUTO-V ON and AUTO-V OFF

Allows you to turn Auto Volume on and off. Please refer to the instructions on page 23 for more in-depth information about Auto Volume.

## 8-4 TRANSMITTER CONFIG

This menu provides access to customizations such as contrast, how the AUX jack functions, and so forth. To access this menu, push and hold down the selector knob for about 3-4 seconds. Use the selector knob to highlight “TRANSMITTER CONFIG” and then push down on the selector knob a single time to reveal the available options. All options are featured in this section.

<b>TRANSMITTER CONFIG</b>	
Provides access to configurations for the CROSSFIRE Remote (TX505)	
Name	Details
AUX	MOMENTARY, LATCHED
DISPLAY	This menu has multiple sub-menus listed below.
DISPLAY -> TEXT	NORMAL, NUMBERS ONLY
DISPLAY -> GRAPHICS	NORMAL, REVERSE IMAGE, SET CONTRAST
DISPLAY -> SCROLL	PAGED, SINGLE
DISPLAY -> BACKLIGHT	ALWAYS OFF, LOW, MEDIUM, HIGH, ALWAYS ON
DISPLAY -> CURSOR	HIGHLIGHT BAR, ASTERISK
CHANNEL	0 – 15
VOLUME STEPS	2,4,5,8,10

## AUX

Select whether the AUX function is **momentary** or **latched**. Note that all FOXPRO decoys must be used in the momentary position. Be sure to check the specifications on the device you are attempting to operate prior to connecting it to the CROSSFIRE.

## DISPLAY

This item has numerous sub-menus that enable you to customize the TX505. To enter one of the sub-menus, highlight the menu and push down on the selector knob a single time.

## TEXT

There are two options available: **NORMAL** and **LARGE NUMBERS ONLY**. Most CROSSFIRE users will leave this setting on **NORMAL**, but for those who have trouble reading the information on the screen, you can use the **LARGE NUMBERS ONLY** setting. In this mode, the screen will only show the three digit sound identification number and a two digit volume level indicator. An example of what you might see is: 023 15

## GRAPHICS

This allows you to control the graphics element of the TX505. The two primary graphics options are **NORMAL** and **REVERSE IMAGE**. Reversing the image may be useful for users hunting at night to help reduce screen glow. **NORMAL** has black text on white background where **REVERSE IMAGE** has white text on black background.

The **GRAPHICS** menu also allows you to set the contrast. Highlight the **“SET CONTRAST”** item and push down on the selector knob a single time. A cursor will appear in the middle of the screen. The middle position is factory default. To make adjustments, use the selector knob to move the cursor left or right. Moving the cursor to the left decreases contrast and moving it to the right increases contrast. Once a desired contrast is set, push down on the selector knob a single time to lock it in.

## SCROLL

The **SCROLL** menu allows you to adjust how the sound scrolling function operates. There are two options: **PAGED** and **SINGLE**. The factory default setting is **SINGLE**. In **PAGED** mode, the sounds will scroll in “pages” of 6 sounds per page. **SINGLE** allows you scroll through sounds one at a time, rather than page at a time.

## BACKLIGHT

This controls the brightness of the TX505 display backlight. There are four options available: **ALWAYS OFF**, **LOW**, **MEDIUM**, **HIGH**, and **ALWAYS ON**. It is recommended to experiment with the different settings to find out which works best in varying light conditions.

## CURSOR

This allows you to customize between showing a horizontal highlight bar or asterisk to scroll through the menu system and sound list. By default, it is set to highlight bar.

## CHANNEL

Allows you to set the desired channel of operation. Please read the detailed instructions on page 25 for more information concerning the channel of operation.

## VOLUME STEPS

This menu allows you to customize the speed at which the TX505 ramps through the volume. The available options are: 2, 4, 5, 8, and 10. The factory default is 2.

## UPLOAD SOUND LIST

This function is used after reprogramming the CROSSFIRE to synchronize the TX505 with the CROSSFIRE playlist. For more information on this, please refer to the programming section of the manual.

## 8-5 RESET TIMER

Resets the elapsed timer back to 0:0.

# 9. CROSSFIRE Remote: Detailed Operation

This chapter provides a complete guide to all TX505 operations.



### IMPORTANT NOTE

The Crossfire remote control is not intended to operate the caller at distances shorter than 1 meter (3 feet). If the remote is located too close to the caller, proper operation cannot be ensured.

## 9-1 Turning the TX505 On

**To turn on the TX-505 transmitter, push and hold the selector knob for 4 seconds.** This delay is to help prevent an accidental turn on. Be sure to turn off the TX-505 transmitter after use so that unnecessary battery drain is prevented. To do so, push and hold the selector knob until the selection menu appears (with turn off transmitter already highlighted). By pressing the selection knob a second time the transmitter will shut off. Should you forget to turn off the transmitter when you are finished, it will automatically shut down after 2 hours of non-use.

## 9-2 Selecting Sounds

The TX-505 provides you with two methods of selecting and changing sounds on your FOXPRO® CROSSFIRE. You can use the rotary selector knob to scroll through and send sound selections or you can directly enter the sound number by using the numeric keypad.

## **Rotary Selector Method:**

The rotary selector knob is located on the top right of the TX-505. This is a dual-function knob that provides you with clockwise/counterclockwise action to scroll through the sound list as well as a push button function to command sound changes to the CROSSFIRE (it also works to confirm or lock-in various menu changes by pushing it down).

With the TX-505 turned on, you will see six sounds displayed on the screen. Clockwise rotation of the knob scrolls the highlight bar up the page, while counter-clockwise rotation moves it down. Once the bar reaches the top of the 6 displayed sounds, the next movement of the knob in the same direction will cause the sounds to increment or decrement. Once the sound you wish to play is highlighted in the display, push down on the selector knob to have it transmitted to the CROSSFIRE for play.

You can scroll through sounds one at a time (up or down) very quickly by turning the rotary sound selector knob or if preferred you can configure the transmitter to scroll by six sounds at a time. The rotary sound selector knob is used to highlight sounds on the display, change the page being viewed, and to send the selected sound to the CROSSFIRE.

Counterclockwise rotation decrements the sound lists. Clockwise rotation increments the sound lists. If you wish to start your current sound playing from the beginning, simply depress the knob again.

To switch sounds, simply select and highlight your desired sound and depress the rotary selector knob. As you can see, even with hundreds of sounds programmed, you can be set up to be never more than a few revolutions of the rotary sound selector knob away from any sound.

## **Numerical Keypad Entry Method:**

You can also directly access any sound by direct numerical entry on the keypad. For example, if you want to play sound 005, simply press the numbers 0, 0, and 5 sequentially on the keypad. When using the keypad to select sounds, note that the screen does not switch to the page showing the sound you have typed in.

## **9-3 Volume**

When the TX-505 is first turned on, the volume setting is set to 00, as the display will indicate. After you have selected and transmitted your sound to the CROSSFIRE, depress the volume up button on the transmitter to your desired level.

Depressing the volume buttons will cause the volume number to change in the display from a low of "0" to a high of "40". These changes are transmitted to the CROSSFIRE in real time, causing the volume to ramp up or down.

The TX-505 allows you to change the volume step size to a specific level. By default, the ramp speed will be set to 2. This means that every time you press the volume up or down button, the volume level will increment or decrement by 2. You can change this value to 2, 4, 5, 8, or 10. To set this value:

**NOTE: If you have volume steps 2 or 4 selected, you will notice that when stepping the volume up or down using a continuous key-press, the volume steps will gradually increase to 5.**

## Changing volume stepping value

1. Access the main menu
2. Enter the "TRANSMITTER CONFIG" menu.
3. Select the "VOLUME STEPS" menu.
4. Use the selector knob to highlight the desired volume level and then depress the selector knob one time to lock it in.
5. Exit the menus.

The volume numbers are important, as you will begin to identify your preferred volume settings, and with the CROSSFIRE placed away from you, it gives you the ability to know exactly at what volume the CROSSFIRE is playing. Without this, you may have a difficult time determining just how loud or soft your unit is playing.

## 9-4 Mute

To mute the current sound that is playing, simply depress the mute button on the TX-505 transmitter. Mute mode is indicated by an "M" appearing in the bottom status line. To un-mute, simply depress the mute button again.

The mute feature also serves as a pause function. When you mute the current sound being played and un-mute again, the sound will begin playing at the point where you muted it.

While the CROSSFIRE is muted you can change to a different sound and volume level. When you un-mute the unit, it will begin playing the new sound and volume setting. You can also restart the current sound from the beginning by depressing the rotary selector knob down one time while the unit is muted.

## 9-5 FOXCAST

The CROSSFIRE can operate from a special sequence file that provides the unit with instructions on how to operate for the duration of the hunt. Sound sequences can provide you with a completely hands-free experience in the field. You can have up to ten unique sequences in your CROSSFIRE.

The CROSSFIRE is loaded with 6 sequences created by FOXPRO Pro Staff members. To view the sequences, push the SEQ button on the top-right side of the TX505 for about 1-2 seconds. Notice that the top status line of the TX505 display shows "PRESS SEQUENCE 0-9". Scroll through the available FOXCAST sequence files using the selector knob. When you find a sequence you wish to play, push down on the knob a single time, just like selecting a sound. You

can also use the keypad to type in the corresponding number for one of the presets. For example, if “S07” is your favorite coyote calling sequence, you can just push 7 on the keypad to start playback of that particular sequence.

To learn how to create your own FOXCAST sequence files, please read Chapter 10.

## 9-6 Presets

The TX-505 provides you with quick access to your favorite sounds and volumes with the push of a button. The TX-505 can hold a total of ten individual sound presets, each one having their own unique volume level. You will also find two quick-access buttons (P1 and P2) that provide you one-button access to the sounds stored on presets one and two.

### Creating Presets

1. Press and hold the PRESET button for approximately 4 seconds to activate preset setup. The top status line of the TX505 display changes to show “SEL SND/VOL: PRESS 0-9” when properly activated. If you do not hold the PRESET button long enough, the top status line will display “PRESET MODE PRESS 0-9”.
2. Use the rotary selector knob to scroll through your sound list to locate a sound that you want to establish as a preset. Move the highlight bar to highlight that sound.
3. Use the volume up/down buttons to set the desired volume level. This value will be shown to the left of the battery indicator.
4. After highlighting the sound and setting the volume, push down on the selector knob a single time. Note that the sound will not play after completing this step.
5. Assign this sound/volume combination to one of the available presets. Each one of the presets is represented by one of the numeric keys on the keypad (0-9). Number 1 corresponds to P1 and number 2 corresponds to P2. Push a number button on the keypad to assign your preset.

### Playing Presets

There are two methods available to initiate playback of a preset. If the preset you wish to play has been assigned to P1 or P2, you can push either the P1 or P2 button during normal operation. If a sound is playing when you push P1 or P2, it will abruptly switch to the preset sound and volume.

The second method of playing a preset is to set the TX505 to **Preset Mode**. This is done by pushing and holding the PRESET button for about one second. The top status line of the TX505 will change to show “PRESET MODE: PRESS 0-9”. After entering this mode, you can use the numeric keypad to select one of the presets by pushing buttons 0 – 9.

## 9-7 FOXFADE

FOXFADE allows you to fade the volume level of the sound being played between the front and rear speaker and allows you to shut them off. There are three ways in which FOXFADE can be used; mono, stereo, and reversed stereo. FOXFADE will provide the best effect when using a

stereo audio file that contains two separate animal recordings; however, it can be used with mono sounds that are being played in stereo mode.

### Using FOXFADE

1. While a sound is playing, press and hold the FOXFADE button for about 1-2 seconds. Notice that the screen changes to show "FADER CONTROL" across the top status line. The cursor should be located in the middle of the screen to show that the volume is balanced.
2. To lower the volume of the front (horn) speaker, rotate the selector knob clockwise. Notice that the cursor begins moving to the left. With each move of the cursor, you must push down on the selector knob a single time to effect change. By moving the cursor completely to the left and then pushing down on the selector knob, you turn off the front (horn) speaker entirely.
3. To lower the volume of the rear (cone) speaker, rotate the select knob counterclockwise. Notice that the cursor begins moving to the right. With each move of the cursor, you must push down on the selector knob a single time to effect change. By moving the cursor completely to the right and then pushing down on the selector knob, you turn off the rear (cone) speaker entirely.
4. To balance the volume, move the cursor back to the middle (denoted by a solid vertical line) and push the selector knob a single time.

### FOXFADE in Stereo Mode

When operating the CROSSFIRE in **stereo** playback mode while playing a stereo audio file, the left audio channel will play through the front horn speaker and the right audio channel will play through the rear cone speaker. Let's say that the sound you are playing is a coyote and rabbit stereo file; coyote on the left channel and rabbit on the right channel. When you enter FOXFADE and move the vertical bar towards the left and lock the selection in, the sound of the rabbit on the right channel will be reduced. If you move the bar to the right and lock the selection in, the sound of the coyote will be reduced.

## 9-8 Auto Volume (AV)

Auto Volume (AV) is a feature that provides automatic volume adjustment and attenuation. When engaged, Auto Volume starts at the lowest possible volume level (0) and slowly increases the volume to 75% maximum volume level (30) across a three minute period. After volume level 30 is reached, Auto Volume begins to reduce and increase the volume level by 30% every 10 seconds.

### Adjusting the Maximum Volume Level

As indicated above, Auto Volume is set to use volume 30 as its maximum volume level. When Auto Volume is turned on, notice that the volume level indicator displays "A30". Use the volume up or down arrow buttons to change "A30" to a new value. The value you set is the maximum volume level that Auto Volume will go to.





#### IMPORTANT NOTE

Making changes to the volume level after Auto Volume has been operating for a length of time can result in erratic volume level changes. Be sure to experiment with Auto Volume prior to utilizing it in the field!



#### IMPORTANT NOTE

If Auto Volume is turned on and you wish to activate a preset, be aware that the preset volume level may not be recognized. For proper operation of a preset, make sure that Auto Volume is turned off.

### Turning Auto Volume On

1. Access the main menu on the TX505.
2. Select the CALL CONTROL menu.
3. Select "AUTO-V ON" to turn on Auto Volume.
4. Upon exiting the menu and returning to your sound list, notice that the "AV" status indicator displays "ON".
5. Auto Volume will begin its volume adjustment routine as soon as you initiate playback of a sound.

### Turning Auto Volume Off

Auto Volume can be turned off at any point during operation. When turned off during operation, the CROSSFIRE will continue playing the current sound at 65% of the maximum volume to help prevent an erratic volume level change.

1. Access the main menu on the TX505.
2. Select the CALL CONTROL menu.
3. Select "AUTO-V OFF" to turn off Auto Volume.
4. Upon exiting the menu and returning to your sound list, notice that the "AV" status indicator displays "OFF".

## 9-9 AUX

This button is used to operate an external device that is connected to the CROSSFIRE—typically the FOXPRO® FOXJACK or Black Jack Decoy. Depressing the AUX button will begin operation of the external device. A second press of the AUX button will cease operation. For more information on the AUX function, see the AUX Jack Function in the beginning of the manual.

The AUX can be configured to be momentary or a latched output. This can be useful if you are using external devices that must see a latched connection as opposed to the momentary connection required to activate/deactivate FOXPRO®'s FOXJACK or Black Jack Decoy.

### Adjusting AUX Jack Operation

1. Access the main menu on the TX505
2. Select the 'TRANSMITTER CONFIG' menu.
3. Select the 'AUX' menu.
4. Highlight the desired mode (momentary or latched) and lock-in the setting by pushing down on the selector knob a single time.
5. Exit the menu.

## 9-10 Recall

The recall button will allow the last previous sound and volume setting to be recalled and played. For example, let's say you just switched your sound from a rabbit distress at volume 18 to a coyote pup distress. Now, you bring the volume up on that coyote pup distress to volume 29. By depressing the recall button, your sound will switch from the coyote pup distress at volume 29, back to the rabbit distress at volume 18. The recall button will also work with the presets.



#### IMPORTANT NOTE

If you use the recall button while playing a FOXCAST sequence, the CROSSFIRE will go back to the last sound and volume level that was used prior to starting the sequence.

## 9-11 Channel of Operation

The TX-505 has been designed to be able to operate up to 16 different FOXPRO® CROSSFIRE units. This is great for folks who are using multiple units and wish to control them from a single transmitter. It is also convenient for folks who are hunting with a partner who is also using a CROSSFIRE so you can both operate on separate channels without interfering with one another.

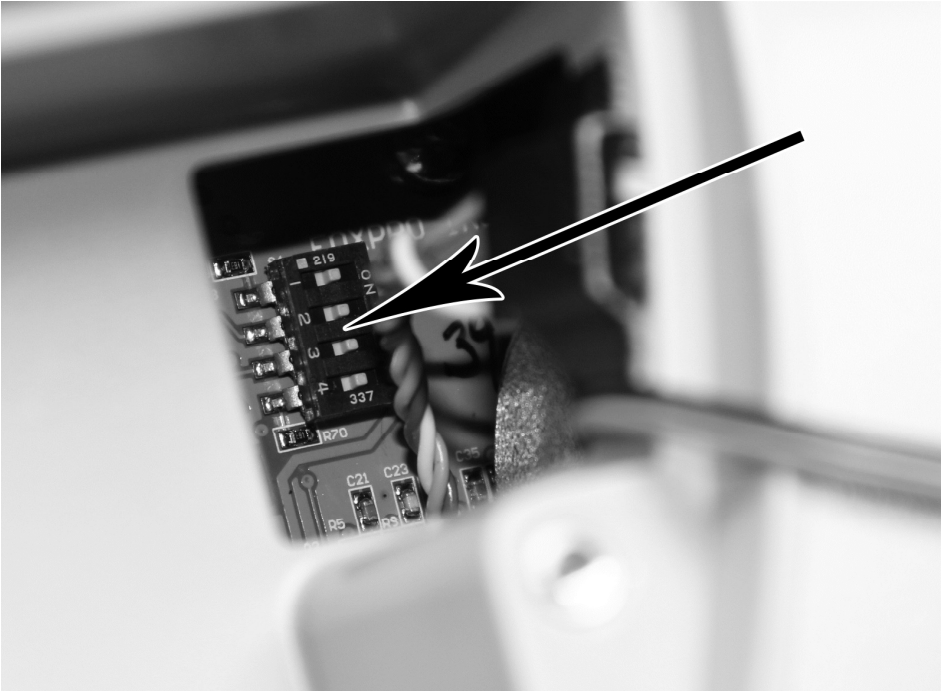
You can quickly and easily change the channel of operation through the menu, but you must be certain that your CROSSFIRE and TX-505 are both set to operate on the same channel.

### Changing the Channel of Operation on the TX505

1. Access the main menu.
2. Access the TRANSMITTER CONFIG menu.
3. Select the CHANNEL item. The current channel number will be displayed.
4. Rotate the selector knob clockwise or counterclockwise to cycle through the available channel numbers. When the appropriate channel is selected, push down on the selector knob to lock it in.

## Changing the Channel of Operation on the CROSSFIRE

1. Remove the battery compartment door from the back of the CROSSFIRE.
2. Remove the batteries.
3. Locate the DIP switch to the upper-right side of the battery compartment (see image on next page).
4. You can use the tip of a pen or pencil to modify the values of the DIP switch to change the channel of operation. There are four individual switches, each with two possible positions (ON and OFF).



The image shown above is looking directly down onto the switch in the battery compartment. The available positions (ON/OFF) are noted. The ON position is selected by moving the switch to the right. The OFF position is selected by moving the switch to the left. Each of the four switches are marked 1 – 4. When referring to the matrix below, be sure that you modify the switches starting with 1 and then continue through number 4.

CH	1	2	3	4
0	OFF	OFF	OFF	OFF
1	ON	OFF	OFF	OFF
2	OFF	ON	OFF	OFF
3	ON	ON	OFF	OFF

CH	1	2	3	4
8	OFF	OFF	OFF	ON
9	ON	OFF	OFF	ON
10	OFF	ON	OFF	ON
11	ON	ON	OFF	ON

4	OFF	OFF	ON	OFF
5	ON	OFF	ON	OFF
6	OFF	ON	ON	OFF
7	ON	ON	ON	OFF

12	OFF	OFF	ON	ON
13	ON	OFF	ON	ON
14	OFF	ON	ON	ON
15	ON	ON	ON	ON



#### IMPORTANT NOTE

The factory default channel of operation is 13. Always make sure that the TX505 and CROSSFIRE are set to the same channel. If the devices are on different channels, radio communication will fail and the process of wirelessly uploading a sound list to the TX505 will result in scrambled text.

## 10. FOXCAST

This section provides you with detailed information on creating and installing FOXCAST sequence files in your CROSSFIRE.

### 10-1 Creating FOXCAST Sequence Files Manually

This process requires some basic computer operations experience. If you are not very experienced with computers, it is recommended that you seek help prior to performing any of the following steps.

A FOXCAST sequence file is a simple text based file that contains unique instructions to guide your CROSSFIRE through a stand. These instructions include commands to change the sound, change the volume level, enter a passage of silence, and so forth. Here is a chart showing all of the various command possibilities:

Instruction	Value	Description
S	0 – 499	Denotes numerical value of sound on unit
V	0 – 40	Denotes numerical value of volume level
P	1 - 99999	Denotes pause value in seconds (approx.)
J	n/a	Denotes Jukebox Mode for this FOXCAST File
R	n/a	Denotes Repeat Mode for this FOXCAST File
Q	n/a	Denotes Single Play Mode for this FOXCAST File

A typical FOXCAST sequence file may look something similar to the following example:

Example FOXCAST Sequence File Layout
V 20 S 15 P 90 V 35

```
S 22
Q
```

The above example is interpreted as follows:

Set volume to level 20. Play sound number 15. Pause for 90 seconds. Adjust volume to level 35. Play sound number 22. Quit.

A FOXCAST sequence must always begin with a volume or pause. Without defining a volume level, the caller will default to volume level 0. A FOXCAST sequence file must always end with a specific ending statement. "J" represents jukebox mode. When you end a sequence with "J", once the sequence has played through a single time, it will automatically begin playing the next FOXCAST sequence. "Q" represents quit. Once the sequence has played entirely, the CROSSFIRE will go silent. "R" represents repeat. Once the sequence has played entirely, the CROSSFIRE will play that sequence again until it is interrupted by the operator.

The CROSSFIRE can accept up to 10 FOXCAST sequence files. These files will need to be in a format such as:

#### Example FOXCAST Sequence File Names

```
S00 My Coyote Sequence 1.seq
S01 My Bobcat Sequence.seq
S02 Mountain Lion Calls.seq
```

Each file can be broken down into three parts. The first part is the identifier (prefix/index) for the particular sequence. For example, "S00" indicates that this is the FIRST sequence in the CROSSFIRE. The second part of the name, "My Coyote Sequence", describes the title or name of this particular sequence. The third part, ".seq", is the file extension that defines this file as a FOXCAST sequence file. Note that the .seq file extension is not native to any operating system. This is a unique file extension for FOXPRO game calls with FOXCAST. A FOXCAST sequence file may appear as an unknown file type and display on your computer as "unknown" or "unassociated" icon.

When creating new sequence files, please check for existing sequence files already using the identifier (prefix/index). For example, if "S00" is already used by an existing sequence file, then you must not use "S00" for the new file or the result will be a conflict. Valid identifiers span from S00 – S09 to correlate with all 10 possibilities.

The FOXCAST sequence files are stored directly in the root of the CROSSFIRE, alongside of the regular audio files.

On a Windows based PC, using a piece of integrated software such as Notepad is all that you will need to successfully build a sequence file. Mac users would use something such as Textedit, which is a standard application.

## 10-2 Creating FOXCAST Sequence Files Online

A second, simpler option for creating sequences can be found on the FOXPRO website. The following address will direct you to the FOXPRO Online FOXCAST Sequence File Generator:

<http://www.gofoxpro.com/foxcast>

This easy to use site allows you to quickly assemble and download FOXCAST sequence files to your computer or directly to your FOXPRO game call. The site has plenty of instructions to help get you started.

## 10-3 Synchronizing the TX505 and CROSSFIRE

Before you can access your FOXCAST sequence files on the CROSSFIRE remote, you must download a new copy of the sound list. To perform this, please see chapter 11 in the section “Transferring a New Playlist to the TX505”.

# 11. Programming the CROSSFIRE

The FOXPRO CROSSFIRE digital game call can be completely programmed from home with the use of a computer. It is possible to reprogram a CROSSFIRE from a Windows based PC as well as a Mac. Both subjects will be covered in this section.

The CROSSFIRE can play a number of different audio file types. This includes FOXPRO’s proprietary FXP files, MP3 files, and uncompressed WAV files. If you are using your own audio files, make sure it is an MP3 or uncompressed WAV file, otherwise it will not work.

## 11-1 Requirements

In order to reprogram the CROSSFIRE, you will need the following items:

1. USB A/B printer-style cable
2. Windows based PC running Windows XP, Windows Vista, Windows 7, or Windows 8. If using a Mac, make sure you are running Mac OS 10 or higher.

For detailed programming guides, please visit the FOXPRO website. Mac users can find a very detailed instruction set at the following address:

<http://www.gofoxpro.com/site/resources/mac-programming>

All other programming guides can be found at the following address:

<http://www.gofoxpro.com/site/resources/programming-support>

## 11-2 Obtaining New Sounds

You can access the FOXPRO website at any time to purchase new sounds to program in your

CROSSFIRE. The website is located at: <http://www.gofoxpro.com>

Once you are at the site, access the “FOXPRO Sounds” option from the main menu and click on one of the sound pack options. You can purchase 4 sounds of your choice, 8 sounds of your choice, and 16 sounds of your choice. Consult the programming link listed at the beginning of this section for more details on purchasing, downloading, and installing new sounds from the website.

The CROSSFIRE is also capable of playing MP3, and uncompressed WAV files obtained from other sources. The maximum number of sounds that your CROSSFIRE can hold at one time is 500.

### **11-3 Programming the CROSSFIRE (Windows PC's)**

The first step is to download and install the FOXPRO Sound Programming Utility. The installer for the FOXPRO Sound Programming Utility can be downloaded directly from our website at any time by visiting the following web address:

<http://www.gofoxpro.com/programmer>

When the page is loaded, locate the "Product Information" box. This box displays current version number, publication date, and MD5 and SHA1 information for validating the installation file as being genuine. The last item in the box contains the official download link. To begin the download, click on the "Download" button.

If you are upgrading from a previous version of the FOXPRO Programming Utility, there is no need to uninstall the original version before launching the new installer as it will automatically upgrade for you. Your original sound library storage folder will remain unchanged.

Depending upon what internet browser you are using, you may be prompted to "Open", "Run", or "Save" the file that is being requested. Some browsers may not prompt you for action and just save the file to your default Download folder. If you are presented the option, we recommend selecting either “Open” or “Run”—in doing this, the installer will automatically launch when the file has been downloaded. Otherwise, you will need to browse your Download folder for the install file which is titled: “foxpro-programming-utility-installer.exe”. You will then need to open the file to launch the installer. The installation is very brief and straightforward. When the installation is complete, a message of success will display on the screen.

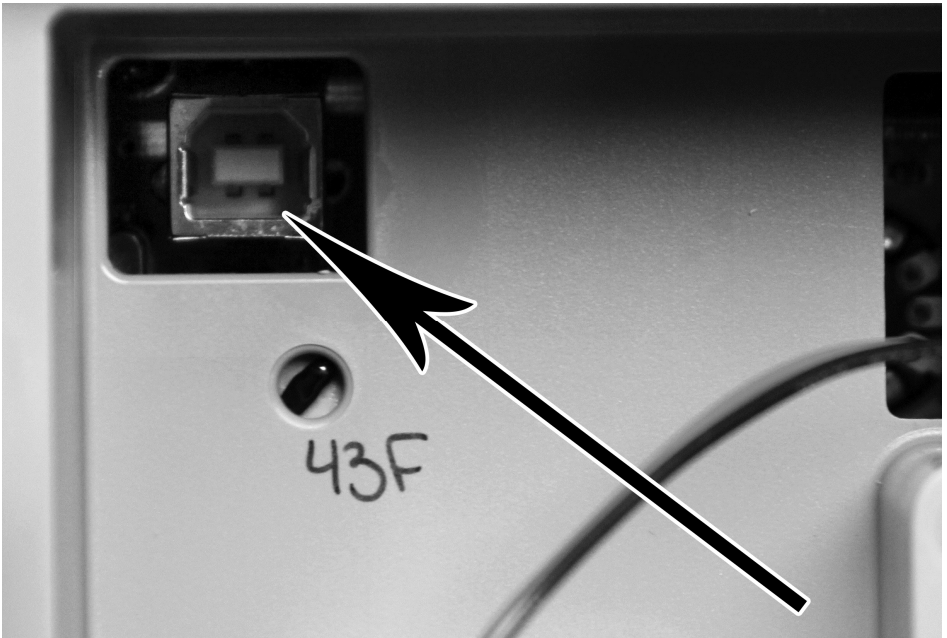
#### **Launching the Utility**

The installer creates a shortcut to launch the programming utility through your programs menu under the Windows start button. The location is: Start Button -> All Programs -> FOXPRO -> FOXPRO Programmer Click on the "FOXPRO Programmer" icon to launch the utility. Upon successful launch, you will be presented with the main interface.

#### **Connecting your CROSSFIRE to the PC**

You can now connect the CROSSFIRE to your PC. The USB port is located inside the battery compartment to the upper-left (see image on next page). You will need to obtain the

appropriate USB cable (USB 2.0 printer-style cable) as one is not included with the product. **Make sure that the CROSSFIRE is turned off prior to connecting it to your PC.**



After connecting your FOXPRO game call to your PC, the utility should recognize the device as being a valid product and display "Connected to..." followed by the device name. The "Caller Sound Files" column should become active and display the sounds currently installed.

### **File Locations / Sound Library**

If you had the previous version of the utility installed, your default sound library storage point is located at "C:\FOXPRO\Sounds". By clicking on the "Browse Library" button you can browse the sound files stored at that location.

If this is a fresh install with no previous versions, your default sound library storage point is located under your Documents (or My Documents) folder\FOXPRO\Sounds. By clicking on the "Browse Library" button, you can browse the sounds stored at that location.

Your sound library will probably be empty by default. You need to obtain sounds and place them into your library folder in order to install them into your FOXPRO game call.

1. Turn off the CROSSFIRE.
2. Connect your FOXPRO device to your PC
3. Launch the programming utility
4. If you do not see your new sounds under the "Source Sound Files" column, use the "Browse Library" button to navigate to the correct location. When the appropriate files are found, double-click on any of the sounds to automatically load all files from that location.



5. Select one, multiple, or all sound files in the "Source Sound Files" column. Click on the position you wish to load the sounds into and click "Insert". Or if you are replacing existing sounds, use "Overwrite".
6. When complete, click on the "Update Caller" button to save your changes. Any sounds being removed will automatically be backed-up.
7. Exit the utility and update your remote control as per the instructions in the next section.

## 11-4 Transferring a New Playlist to the TX505

Program your sounds into the CROSSFIRE as outlined in the instruction manual. Make certain that you do not use the same number for more than one sound! NOTE that the transmitter can only display 21 characters per line. The first 3 characters must be the sound number, from "000" through "499". Place a space between the sound number and the sound name. 17 characters remain for the sound name. Although the sound name can have more characters, the TX-505 will only display the first 17 characters. Any additional ones will not be displayed.

1. Disconnect all accessories from the CROSSFIRE (i.e. charger, speakers, etc.)
2. Turn the power off on both the CROSSFIRE and the TX-505.
3. Turn on the TX-505 and CROSSFIRE.
4. Access the Main Menu
5. Enter the 'TRANSMITTER CONFIG' menu
6. Highlight the 'UPLOAD SOUND LIST' menu item and press down on the selector knob one time
7. Make sure the CROSSFIRE is within 3 feet of the TX-505
8. A progress bar on the TX-505 display will indicate the playlist is being transferred

**NOTE:** This process may take a few minutes. DO NOT turn off the TX-505 or CROSSFIRE during this process.

## 12. Product Care & Maintenance

In order to help get years of trouble free service with your FOXPRO game call, it is strongly recommended that you read and understand the following points. Many of these are considered proactive or preventative.

**Avoid exposure to all precipitation and moisture!** Whether you are storing your FOXPRO game call or decoy away for the summer or just having some down time from calling, it is highly recommended that you thoroughly inspect the unit for any signs of moisture. Moisture (perhaps from rain, snow, condensation, or other) can potentially enter the unit or the battery compartment and cause some serious problems. Proper care should be taken to mitigate the introduction of (or potential for introduction of) moisture into the machine and make sure that no moisture is present during storage. Moisture can quickly lead to corrosion, electrical shorts, and even rust—all of which can possibly render the unit damaged and out of warranty. This

type of damage is preventable. For example, if you are operating in rainy, wet conditions, it is recommended that you place the unit inside of a large plastic freezer storage bag or use a water/weatherproof deployment bag to keep water from getting to it. When storing the unit for prolonged periods, be sure that you keep it in a dry location not susceptible to drawing moisture.

**Remove batteries prior to storage or extended periods of inactivity!** All batteries, whether alkaline or rechargeable, should be removed from the game calls, decoys, and remote controls prior to storage or periods of inactivity. Batteries that are left inside of electronic devices can leak over time as the chemicals start to break down. Damages caused by this can be very severe and potentially destroy the electrical components. To prevent this from happening, simply remove all batteries from all devices before you put them away. Keep in mind; damage caused by battery leakage is not a warranty issue.

**Periodically charge your rechargeable batteries when not in use!** Rechargeable batteries will not last forever. To help maximize the overall life of your rechargeable batteries, we recommend that you periodically charge them up, perhaps once a month or once every other month, to keep them fresh. Batteries that are left uncharged can enter into a state of deep discharge. Batteries in this state can, at times, no longer accept a charge and result in unexpected operation or complete failure in the field. It is also recommended that you replace rechargeable batteries about once a year just to keep them fresh.

**Keep it clean!** Our products are designed to be used outdoors and as a result, they can get dirty from time to time. While the dirt may add a bit of character and show that you use it frequently and hard, it is recommended that you spend a few moments after each hunt or at the end of the season prior to storage to clean it up a bit. Total disassembly won't be required, just remove any debris, sticks, leaves, dirt, or anything else that shouldn't be there. If dirt or foreign objects make their way into the machine, it can cause problems down the road.

**Store in a dry location!** If you are planning on storing the unit away for the summer, it is recommended to keep the unit in a dry location that is not prone to drawing moisture. It is also recommended to remove all batteries prior to removal.

**Other storage recommendations include:** Do not stack heavy objects on top of your carrying cases or other items that may be holding your caller and/or remote control. If too much pressure is applied to the remote's LCD screen, it can be punctured or damaged. Too much weight bearing down on the caller or remote could result in cracking or fracturing of the plastic housings.

**Check it out before heading into the field!** If you are getting your caller out for the first time this season, take it out back and check it out before you head out on a hunt. Check your remote range, fidelity, high volume, low volume, battery life, etc. Being prepared and ensuring proper functionality before heading out on a trip can help you decide if you need new batteries, if it

needs service, or if everything is working well. This can help prevent cancellation of trips and potential disappointment.

## 13. Troubleshooting

This section covers the basic troubleshooting aspects for the CROSSFIRE and TX505 remote control.

The most common problems are battery related. Before performing anything else, try installing fresh batteries. When your batteries get low, in either the CROSSFIRE or the TX505 remote, unexpected operation can occur. You can experience such things as loss of audio quality, loss of remote control range, and other abnormal results.

<b>Problem</b>	<b>Solution</b>
CROSSFIRE will Not Turn On	Make sure that you have fresh batteries installed. If you are using rechargeable batteries, make sure they are fully charged. Inspect your battery tray and make sure the springs are not compressed or corroded as this could lead to poor battery connectivity.
CROSSFIRE does not produce any sound	Check that the speakers are not turned off. Check to see if you can play sounds manually (without the remote). If you cannot play sounds manually, connect the CROSSFIRE to a computer and inspect the sound files for missing files or signs of corruption.
TX505 remote not controlling CROSSFIRE	See section 14 “Maximizing Remote Range”
Cannot transfer sound list to TX505	This typically stems from an error in the play list on the CROSSFIRE. If you recently added new sounds, double-check the programming for errors such as duplicate or missing sound numbers.
TX505 remote does not turn on	Install 3 fresh AA batteries.
Having trouble with programming new sounds	Check out FOXPRO’s website for detailed programming information for your CROSSFIRE. Solutions for many common issues can be found there.
Poor battery life in extreme cold weather conditions	Cold weather operations can take a serious toll on alkaline batteries. It is strongly recommended that you use lithium or rechargeable NiMH batteries to get the best performance in cold weather.

## 14. Maximizing Remote Range

Remote range can be affected by many factors. Some of these factors can be controlled while others cannot. In order to achieve the best possible remote range with your CROSSFIRE digital game call system, it is recommended that the following points be observed:

- Always use high quality alkaline or lithium cell batteries in the remote.
- Always maintain clear line of sight between the remote control and the CROSSFIRE. Any obstructions—no matter how significant or insignificant—can adversely affect the radio signal.
- Try to keep the remote control approximately six inches away from your body, gun barrel, and metal shooting sticks as these things can detune the remote control.
- Hold the remote control vertically with the antenna pointing skyward.
- Avoid using the device remotely when you are near power lines, cellular phone towers, and radar (such as near airports or military installations).
- Try to elevate the caller off of the ground by approximately three feet. This can greatly maximize your overall remote control range.
- Try to avoid situations where the CROSSFIRE is placed at a lower elevation than the remote control—the caller should always be higher.
- If you are using the CROSSFIRE remotely from a long distance, be sure to allow enough time for device reaction before sending multiple signals. For example, if you request a sound change, consider the amount of time from radio transmission from the remote to the CROSSFIRE until that signal is turned into a change in operation that you are able to perceive. It will not always be instantaneous and may take a second or two before a change in operation is detected from your vantage point. Mashing down button after button can get the device into a state of confusion which could result in undesirable results.

# 15. FCC & IC Information

## FCC Information

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 the 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 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 or circuit different that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of this device.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

## RF Exposure Safety Notice

The TX-505 transmitter is not intended to be operated closer than 20cm (about 8 inches) to your body. The transmitter can produce a radiated RF field similar to that of a standard cell telephone, although the duty cycle of this RF field is much lower than that of a cell telephone. Using the transmitter closer than 8 inches to your body can increase your exposure to RF energy levels thought by some to be harmful. Additionally, operation in close proximity to your body can detune the antenna causing a decrease in operating performance.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

**Note:** Units exported beyond the boundaries of North America are not FCC certified. FOXPRO Inc. makes every attempt at complying with regional regulations governing radio spectrum. However, it is the user's responsibility to ensure compliance with local laws and ordinances that govern the use of radio controlled devices in the area of operation.

## Industry Canada Notice

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 undesirable operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicable 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.

## 16. Warranty Statement

Your FOXPRO® game call is warranted to be free from defects in materials and workmanship that diminish its usefulness for a period of five years from the date of purchase if the item was purchased from a FOXPRO Authorized Retailer. Return the unit prepaid and packaged securely along with proof of purchase to the address shown below. Include a note describing the defect or problem. This limited warranty is void if the unit is physically damaged, used in a manner contrary to intended use, or otherwise abused, either intentionally or unintentionally. Also specifically excluded are batteries and damage caused by attempts to charge batteries not intended to be recharged, and water damage.

FOXPRO  
14 Fox Hollow Drive  
Lewistown, PA 17044

### Online Warranty Registration

You can register your CROSSFIRE digital game call online at the following address (locate the Warranty Registration link on the left of this page):

<http://www.gofoxpro.com/warranty>

Make sure that you retain a hard copy of your proof of purchase (i.e. store receipt) for any future warranty claims.