

FOXPRO[®]

High Performance Game Calls



CS-24B

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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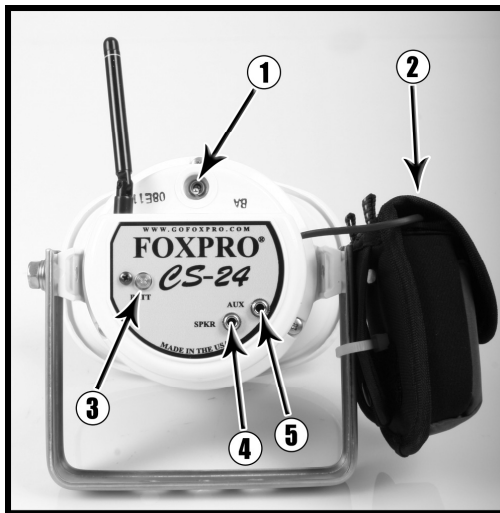
Using the FOXPRO® CS-24B Digital Game Call

Congratulations on the purchase of your FOXPRO® CS-24B digital wildlife caller! You have chosen a highly advanced product that is easy to use and loaded with some of the most innovative features to date.

Please take this time to read and understand the information in this instruction manual to ensure the best possible experience with your new FOXPRO® CS-24B.

Features

1. Power ON/OFF Switch
2. Battery Pouches
3. Auxiliary Device Jack
4. External Speaker Jack
5. Pilot Lamp / Low Power LED



1.0 QUICK OPERATING GUIDE

This manual will explain the features of your new FOXPRO® CS-24B in depth to help ensure the best overall experience. We realize, however, that you may want to try out the CS-24B right away. This **Quick Operating Guide** will provide you the basic steps on how to get started.

It is strongly recommended that to fully understand the features and abilities of your FOXPRO® CS-24B that you read this manual in its entirety.

1.1 INSTALLING BATTERIES IN YOUR CS-24B

Since your CS-24B is shipped from the factory with no batteries installed, the first step is to install batteries. The CS-24B requires 10 “AA” batteries. The LED is a pilot lamp that will start blinking when low battery is detected.

We strongly recommend high capacity NIMH rechargeable batteries over alkaline types for maximum performance, particularly when using loud volume levels.

1. Open the cover of the battery pouch to access the battery tray. The battery pouch is located on the side of the caller and is attached to the handle.
2. The tray features a power cable connects to the power cable on the CS-24B. The standard tray receives 10 ‘AA’ batteries. An optional sealed rechargeable battery pack and charger is available separately.



3. Orient the batteries as per the directions shown in each cavity within the holder. *Note that the battery polarity alternates.*
4. Secure the cover of the pouch by attaching the two Velcro tabs after the batteries are installed.

1.2 INSTALLING BATTERIES IN YOUR TX-505

The TX-505 transmitter operates from 3 “AA” batteries. Please use high quality alkaline or lithium batteries.

1. Remove the battery compartment cover located on the rear of the transmitter.
2. Insert the “AA” batteries into the provided cavities. *Note that the battery polarity alternates.*
3. Replace the battery compartment cover after the batteries are installed.

1.3 OPERATING THE CS-24B With the TX-505 REMOTE CONTROL

1. **Turn on the TX-505 transmitter by pressing down and holding the sound selector knob for about 4 seconds.** The screen will display “FOXPRO® the caller of the wild” then show the remote version number on the bottom text line of the display. Once the remote version screen is displayed, release the button. After releasing the button, you should now see a screen that shows the first page of sounds. *Note: If you bump the button or do not hold it for 4 seconds, the screen will briefly display “FOXPRO® the caller of the wild” then turn back off.*
2. Turn on the CS-24B by placing the power switch on the back of the unit to the “ON” position. The green pilot lamp/low power LED will illuminate indicating the unit is powered.
2. Highlight the sound you wish to play by turning the rotary selector knob on the top of the transmitter either clockwise, which will scroll up, or counter-clockwise which scrolls down.
3. When the sound desired appears in the displayed list, highlight the sound, and press down on the rotary selector knob. You will notice that the number associated with that sound will appear in the bottom text line. *This text line also displays the current channel setting, a mute indicator, volume level indicator, battery monitor, and timer. The top text line displays the front speaker, rear speaker and a play mode indicator. For more information on the text lines, see the TX-505 features section of this instruction manual.*
4. Now that you have selected the sound to be played, simply increase the volume up to your desired level by depressing and holding the volume up arrow button. As you depress the volume up arrow, note that the volume setting number in the bottom text increases. The volume range available is 0 – 40. You should now hear the selected sound playing.

Muting the Sound

To mute the sound, simply press the mute button. The letter “M” will appear in the bottom text line. The mute also serves as a pause feature, meaning that when you un-mute the sound, it will start playing from the point you muted the sound instead of starting the sound over again.

Changing the Sound

While the unit is actively playing a sound, simply highlight your next sound selection and depress the rotary selector knob. Your sound will instantly change. You can also use the numeric keypad to enter the three digit number of the sound you wish to play. When you begin entering a number on the keypad, the numbers you type will appear in large text on the screen. You need to enter the three digit number of the sound you wish to play. For example, type in a number in the range of 000 through 499 to play the corresponding sound.

Note: Make sure that you do not enter a number that is larger than the total number of sounds programmed in the CS-24B. For example, if you have the standard 50 sounds and type in 123, nothing will happen.

1.4 POWERING DOWN

Be sure to power down both the CS-24B and TX-505 after use to help prolong the battery life.

Powering Down the TX-505

Push and hold the selector knob until the selection menu appears (with TURN OFF TX-505 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.

Powering Down the CS-24B

Turn off the CS-24B by placing the power switch down to the “OFF” position.

2.0 BATTERIES AND CHARGING

Your CS-24B operates on 10 “AA” batteries. For optimal performance and run times, we recommend using high capacity (2000 mAh or higher) NiMH (Nickel Metal Hydride) rechargeable cells rather than alkaline types. When you operate your CS-24B 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 at all. **The performance of your CS-24B will be much better with high capacity NiMH batteries.**

2.1 INSTALLING BATTERIES IN THE CS-24B:

1. Open the cover of the battery pouch to access the battery tray. The battery pouch is located on the side of the caller and is attached to the handle.
2. The tray features a power cable connects to the power cable on the CS-24B. The standard tray receives 10 ‘AA’ batteries. An optional sealed rechargeable battery pack and charger is available separately.
3. Orient the batteries as per the directions shown in each cavity within

the holder. *Note that the battery polarity alternates.*

4. Secure the cover of the pouch by attaching the Velcro tabs after the batteries are installed.

CAUTION: Never attempt to charge batteries 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 batteries in temperatures ranging from 40°F to 85°F (5°C to 30°C).

CAUTION: Do not mix battery types!

2.2 CHARGING BATTERIES

1. The CS-24 does not offer a charge jack for recharging batteries. The batteries must be recharged externally.

Battery/Charging Recommendations

- Remember that NiMH batteries self-discharge about 1% per day
- Do not leave charging batteries unattended
- Remove batteries from the battery pouch when caller will not be used for prolonged periods to help prevent deep discharge
- Recharge your batteries periodically—even when not in use

3.0 “AUX” JACK FUNCTION

The CS-24B 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-in-the-Box Decoy or other approved devices, and to be able to turn these on and off with the TX-505 remote control transmitter. However, there are some strict electrical limits involved with this jack. If these limits are exceeded, damage to your CS-24B will result. This damage is not covered by warranty. Another function of the auxiliary jack is to transfer the sound list from the CS-24B to the TX-505 remote.

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 2 Amperes. 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 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 CS-24B caused by improper use of the “AUX” jack is not covered by the warranty, nor will FOXPRO® be liable for damage to any devices connected to this jack.

The AUX jack is configurable for momentary or latched operation. Please see section 6.12 for more information.

4.0 USING AN EXTERNAL SPEAKER

The CS-24B is equipped with an External Speaker Jack, which allows you to connect an additional speaker to achieve stereo sound or simply add more volume. Stereo operation is useful if you intend to use the FOXFADE feature (**you can learn more about FOXFADE in section 6.11**). The CS-24B contains a two-channel 25W class D amplifier and by connecting an external speaker capable of operating at 25W to the CS-24B, the volume level can be increased significantly.

4.1 CONNECTING AN EXTERNAL SPEAKER

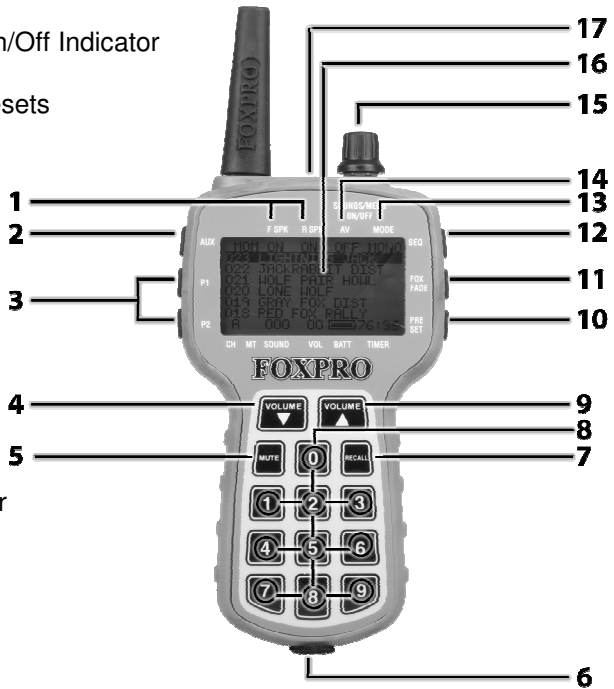
The external speaker jack on your CS-24B accepts standard 3.5mm plugs. When choosing an external speaker it is recommended to use one with an impedance rating of 8-ohms.

NOTE: Be sure the CS-24B is turned OFF before connecting an external speaker. To connect an external speaker, plug the connector of the external speaker into the external speaker jack.

5.0 TX-505 REMOTE CONTROL OPERATION

Features

1. Rear/Front Speaker On/Off Indicator
2. Auxiliary Button
3. Quick Access for 2 Presets
4. Volume down Button
5. Mute Button
6. Lanyard Loop
7. Recall Button
8. Numeric Keypad
9. Volume Up Button
10. Preset Mode Button
11. FOXFADE Button
12. FOXCAST (SEQ) Button
13. Stereo Mode Indicator
14. Auto Volume Indicator
15. Rotary Selector Knob
16. Graphic LCD Panel
17. Sound Transfer Jack



The CS-24B features the TX-505 transmitter. The features of this transmitter include a large graphic display (eliminating the need for printed sound lists), 10 custom preset buttons that make your favorite sound and volume levels available at the touch of a button, a volume and mute indicator, a recall button, elapsed time indicator, and a rotary sound selector knob for ease of changing sounds.

The TX-505 transmitter operates on three standard AA batteries. **Please use high quality alkaline or lithium batteries.**

5.1 INSTALLING BATTERIES IN YOUR TX-505

1. Remove the battery compartment cover located on the rear of the transmitter.
2. Insert the AA batteries into the provided cavities. *Note that the battery polarity alternates.*
3. Replace the battery compartment cover after the batteries are installed.

5.2 UNDERSTANDING THE MENU SYSTEM

Your TX-505 transmitter has a menu-driven configuration system that provides

you with a navigable interface for making various operational changes to both the CS-24B and TX-505. Throughout the scope of this manual you will find many references to the *Main Menu*. It is important that you are familiar with and understand how the menu system works.

The Main Menu can be accessed at any time while operating the TX-505 transmitter. To bring up the Main Menu simply press and hold the rotary selector knob for 2-3 seconds. The normal screen will change to reveal the Main Menu.

By default, any time you enter the Main Menu, the “TURN OFF TRANSMITTER” option will be highlighted. The line that is highlighted will be referred to as the **selected item** throughout this manual. You can move the highlight bar using the rotary selector knob to change the selected item by rotating the knob clockwise or counter-clockwise. A selected item can be activated by pressing down on the rotary selector knob. In this case, with “TURN OFF TRANSMITTER” being the selected item, pressing the rotary scroll knob down would result in the TX-505 turning off.

The Main Menu has sub-menus. These sub-menus will provide you with access to making various system changes. The two main sub-menus are CS-24B CONTROL and TX500 CONFIG. Each one of these sub-menus has other menu items inside.

5.3 TURNING ON THE TX-505

To turn on your TX-505 transmitter, simply 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 off the transmitter when you are finished, it will automatically shut down after 2 hours of non-use.

5.4 SELECTING SOUNDS

The TX-505 provides you with two methods of selecting and changing sounds on your CS-24B. 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 send sound changes to the unit (it also works to confirm or lock-in various menu changes

by pushing down it.)

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 CS-24B 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 CS-24B.

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 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.

5.5 SETTING THE VOLUME

When the TX-505 is first turned on, the volume setting is preset to 00, as the display will indicate. Once you have selected and transmitted your sound to the CS-24B, simply 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 CS-24B 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.

1. Press and hold the rotary selector knob to access the main menu.
2. Highlight the “TX500 CONFIG” menu and depress the rotary selector knob one time.
3. Use the selector knob highlight “VOLUME STEPS” and then depress the selector knob one time.
4. Use the selector knob to highlight the desired volume stepping value and then depress the selector knob 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 CS-24B placed away from you, it gives you the ability to know exactly at what volume the CS-24B is playing. Without this, you may have a difficult time determining just how loud or soft your unit is playing.

5.6 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 CS-24B 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.

5.7 FOXCAST SEQUENCES

The CS-24B 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 CS-24B.

Creating a Sequence

There are two ways that you can create a custom calling sequence; manually with a simple text editor or with the help of the graphical interface that runs on Windows-based PC's. Mac users will have to type their sequence file out by hand.

Creating Sequence Files with the Online Utility

Access the FOXCAST Sequence File Generator Online at the web address

below. The online utility will allow you to quick build and download your own custom FOXCAST sequence files with incredible ease!

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

Creating Sequence Files Manually

The CS-24B will be looking for ten individual files pertaining to the particular sequence. These files range from S00.seq through S09.seq.

NOTE: If you save a sequence file for later use, make sure you update it if you make any programming changes to the unit. For example, if sound number 005 used to be a rabbit and it is now a coyote, your sequence file will now play the coyote.

The sequence file must be in plain text format. You cannot use MS Word or other rich-text editing software to create the files. If you are manually creating the file, use a program such as Notepad (or basic text editor) for authoring. The following is an example of what the file should look like:

```
V 30
S 12
P 60
V 23
S 1
Q
```

The translation of the above example would equate to:

```
Set volume to 30
Play sound 12 one time
Pause for 60 seconds
Set volume to 23
Play sound 1 one time
End
```

The above example uses the following syntax to denote instructions for the CS-24B. All possible commands are shown below:

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 delay value in seconds (approx.)
J	n/a	Denotes Jukebox Mode
R	n/a	Denotes Repeat Mode
Q	n/a	Denotes Single Play Mode

Any time you author your own sequence file manually, make certain that each

instruction code is followed by a space and then the value.

Note: Each file must begin with a P or V value—if you start the sequence with a sound, the CS-24B will not know at what volume level to play the sound.

Also make sure that you end the instructions with a capital J, R, or Q. If you end the file with J, the CS-24B will move on to the next available sequence. If the file ends with R, the CS-24B will repeat the current sequence. Ending the file with a Q will result in the sequence playing one time.

If you desire to have a sound play more than one loop, you will need to have the sound listed as many times as you wish it to play. Example:

```
V 10
S 16
S 16
S 16
V 15
S 16
Q
```

This example shows that the volume is set to 10 for three loops playing sound number 16. The volume then switches to level 15 and plays sound 16 one last time.

After creating your sequence file in Notepad (or basic text editor), be sure to name the file in the format of S00.seq through S09.seq so that the CS-24B will recognize it as a valid sequence file. Notepad will try to name the file .txt by default; this must be changed to .seq. You can add a description to the file title as in the following examples:

```
S00 Stand 1.seq
S01 Stand 2.seq
```

```
S02 Bobcat Special.seq
S03 Coyote.seq
```

Loading a Sound Sequence to Your CS-24B Manually

In order to get the sound sequence file from your computer into your CS-24B, you will need a standard USB cable (type A/B) with the unit. The USB port is located inside of the speaker cap on your CS-24B. To gain access, you will need to remove the four screws securing the cap to the unit. Once remove, look inside of the cap to find the USB port.

Using the USB cable, connect the CS-24B to your computer. Take note to what drive letter is being assigned to your CS-24B. Copy the sequence files from your hard drive directly into the drive letter of the CS-24B.

Playing a Sequence

Sequences can be engaged at any time during operation.

1. Press the SEQUENCE button on the TX-505
2. Press a number button on the keypad to play the corresponding sequence from 0 – 9 or highlight the desired sequence with the rotary selector knob and depress it one time.

Play Modes and Sequences

If you have selected a different playback mode (i.e. jukebox or single) sequence mode will ignore this selection.

5.8 SOUND 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 the PRESET button and hold for approximately 3-4 seconds to enter set preset mode. You should see SEL SND/ VOL on the top line of the TX-505 display.
2. Use volume up/down buttons to set the desired volume level
3. Select the desired sound by using the rotary selector knob to highlight it on the.
4. To lock the selected volume and sound in, press the desired number (0-9) for that preset on the keypad. When pressing the number button, this exits you from set preset mode and you are now in the preset mode.
5. To add another preset, follow steps 1-5.

Playing a Preset

1. Briefly press the PRESET button one time to enter preset mode.
2. Press the desired number of the preset you wish to play. Make sure that you have preset in place prior to attempting to play it. The chosen preset should play immediately.

5.9 FOXFADE

FOXFADE allows you to fade the volume level of a stereo sound between the internal and an externally connected speaker. It also allows you to shut the speakers 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 and an external speaker; however, it can also be used with stereo sounds that are being played in stereo mode with a single speaker as a simple fader.

Using FOXFADE

1. With the sound playing, press the FOXFADE button on the side of the TX-505 transmitter
2. Use the selector knob to move the cursor left or right on the screen. Moving the knob **clockwise** will result in the bar moving towards the left of the screen which corresponds with the internal speaker and the left audio channel. By moving the bar in this direction, the volume level of the external speaker will go down. Moving the cursor to the far left and depressing the rotary selector knob will result in the internal speaker being turned off. Moving the knob **counterclockwise** will result in the bar moving towards the right of the screen which corresponds with the external speaker and right audio channel. By moving the bar in this direction, the volume level of the internal speaker will go down. Moving the cursor to the far right and depressing the rotary selector knob will result in the external speaker being turned off.
3. Once you have positioned the bar in your desired position, press down the selector knob one time to lock the change in place.

FOXFADE in Stereo Mode

When you are operating the CS-24B in stereo playback mode and playing a stereo audio file, the left audio channel will play through the internal speaker and the right audio channel will play through an externally connected 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. FOXFADE can help create many new scenarios in the field and help add realism to your stand.

Using a Mono File in Stereo Mode

If you are playing a mono file while operating the unit in stereo mode, the CS-24B will play the same sound out of the internal speaker and any connected external speaker. FOXFADE will act in the same manner as playing a stereo file with fading out the volume of one of the channels depending upon which way you move the bar.

5.10 AUTO-V

AUTO-V (auto-volume) provides you with a sort of "cruise control" for volume adjustment and attenuation. When engaged, AUTO-V will start at the lowest possible volume (0) and slowly climbs to 75% or volume level 30 which is the default maximum volume level for AUTO-V, across a three minute period. Once volume level 30 is reached, AUTO-V begins to reduce and increase the volume level by 30% increments every ten seconds. For example, volume level 30 will be reduced by 30% in a ten second period, and then increased back up 30% across another ten second period. It will continue operating in this manner until

it is shut off.

Note: When using PRESETS while AUTO-V is enabled, the preset volume control may not be recognized. For proper operation while using PRESETS, turn AUTO-V off.

Turning AUTO-V On

It is not necessary that you have a sound playing prior to engaging AUTO-V as it will begin its cycle after the sound begins playback.

1. Hold down the selector knob for 2-3 seconds to access the main menu.
2. Select CALL CONTROL
3. Select AUTO-V ON to engage AUTO-V
4. Exit the menu

AUTO-V will begin its volume adjustment cycle as soon as you begin playing a sound. You will also see the AV indicator on the top line of the TX-505 screen show ON.

Turning AUTO-V Off

AUTO-V can be turned off at any point during operation. When AUTO-V is disengaged, the CS-24B will continue playing the current sound at 65% of the maximum volume to help prevent an erratic volume level change.

1. Hold down the selector knob for 2-3 seconds to access the main menu.
2. Select CALL CONTROL
3. Select AUTO-V OFF to disengage AUTO-V
4. Exit the menu

Setting the Maximum Volume Level

AUTO-V will climb to volume level 30 as a maximum across a three minute period by default. You can change the maximum volume level for the climb by using the volume up/down buttons on the transmitter once you have engaged AUTO-V.

Note: Making changes to the volume level after AUTO-V has been engaged for a while can result in erratic volume level changes. Get familiar with how AUTO-V works before using it on a stand.

Note: If the CS-24B is turned off, be sure to reselect AUTO-V function prior to operation.

5.11 FOXBANG

TURNING FOXBANG ON OR OFF

1. Access the Main Menu on your TX-505 (while powered on, press and hold the rotary selector knob down for 3-5 seconds to bring up the

menu). Use the selector knob to highlight the FOXBANG/FOXGRIP menu item and press down on the rotary selector knob a single time to access the options menu.

2. To turn on FOXBANG, enter the FOXBANG OPTIONS menu and then select the desired feature that you would like FOXBANG to engage. To turn off FOXBANG, select the FOXBANG OFF option from the menu.

NOTE: When FOXBANG is turned on and your sensitivity rating set, the TX-505 will remember the sensitivity setting and FOXBANG will automatically be activated the next time you perform a power cycle. If you do not wish to have FOXBANG active the next time you turn on the TX-505, you must go into the FOXBANG menu item and turn it off.

FOXBANG OPTIONS

FOXBANG can be setup to activate one of four possible features. You can have it emulate an auxiliary button press, activate preset 1 or 2, or toggle mute status. The mapped function for FOXBANG is established by selecting the appropriate option from the FOXBANG OPTIONS menu.

SELECTING YOUR SENSITIVITY

Your TX-505 has 5 sensitivity ratings; Highest, High, Medium, Low, and Lowest. From the Main Menu on your TX-505, select the FOXBANG item and then select the FOXBANG ADJUST menu item (see image below). Highlight the desired sensitivity rating and press down on the rotary selector knob to set it. 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.

NOTE: An unintended and unavoidable consequence of adjusting the FOXBANG sensitivity to high levels is that handling noises, such as banging of the transmitter case on your firearm stock, may cause unexpected activation of FOXBANG. For this reason, you should choose the lowest sensitivity that affords reliable activation from the muzzle blast. FOXBANG is intended to work when the transmitter is located within about 5 feet of the firearm muzzle.

UNMUTE PRESET FB

In the FOXBANG configuration menu, you can enable the UNMUTE PRESET FB function which allows FOXBANG to bring the unit out of a muted state on preset activation. This means that if you have FOXBANG enabled and the unit is muted, when FOXBANG detects the discharge of the firearm it will bring the unit out of the muted state and switch to P1. If not enabled, FOXBANG will be

unable to bring the unit out of a muted state upon reacting to the discharge of the firearm.

NOTE: The FOXGRIP menu item pertains to a future FOXPRO product which is not yet implemented. It is advised that you do not turn on this feature as it may adversely affect your TX505 battery life. Keep checking the FOXPRO website for more information on FOXGRIP.

5.12 AUX

This button is used to operate an external device that is connected to the CS-24B—typically the FOXPRO[®] Jack Attack. 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 Jack Attack Decoy.

Adjusting AUX Jack Operation

1. Access the main menu by pressing and holding the rotary selector knob for about 2-3 seconds.
2. Highlight the TX500 CONFIG menu item and press the rotary selector knob one time.
3. Highlight the AUX menu item and press the rotary selector knob one time.
4. Highlight the desired operation, either MOMENTARY or LATCHED menu item and press the rotary selector knob one time.
5. Exit the menu.

Note: For use with the FOXPRO[®] Jack-in-the-Box Decoy, make sure you select MOMENTARY.

5.13 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.

NOTE: If you press the recall button while playing a sequence, you will go back to the last sound and volume level that was used prior to entering sequence mode.

5.14 CHANNEL SELECTION

The TX-505 has been designed to be able to operate up to 16 different FOXPRO® CS-24B 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 CS-24B 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 CS-24B and TX-505 are both set to operate on the same channel.

NOTE: The factory default channel of operation for the CS-24B and TX-505 is set to 6.

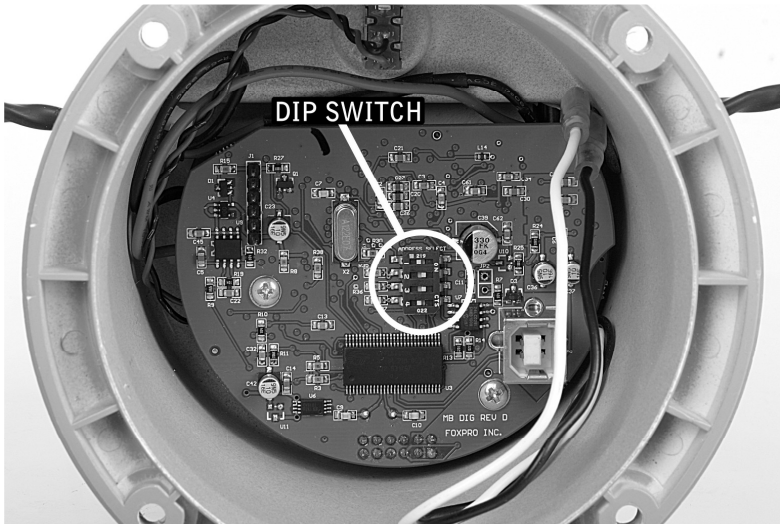
Changing the Channel of Operation on the TX-505

1. Access the main menu by pressing and holding the rotary selector knob for about 2-3 seconds
2. Highlight the TX500 CONFIG menu item and press down on the rotary selector knob one time
3. Highlight the CHANNEL menu item and press down on the rotary selector knob one time
4. Rotate the rotary selector knob clockwise or counterclockwise to increment/decrement through the available channels. When you arrive on the desired channel, press down on the rotary selector knob
5. Exit the menu

Changing the Channel of Operation on the CS-24B

1. Remove the speaker cap from the CS-24B housing by taking out the four screws that hold it together. The DIP switch will be inside the speaker cap.
2. Locate the DIP switch.
3. You can use the tip of pen or pencil to modify the values of the DIP switch to change the channel of operation. There are four individual switches that are dual position. The two positions are referred to as ON and OFF.

The image below is looking directly down onto the switch from the battery compartment. The two possible switch positions for each of the four switches are noted on the top as ON and OFF. The ON position is selected by moving the switch to the right (towards the USB port). The OFF position is selected by moving the switch to the left.



Each of the four switches are marked 1 – 4. When referring to matrix below, be sure that you modify the switches starting with 1 then continuing on through number 4.

Refer to the following image and switch positioning matrix when you are making channel modifications:

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
4	OFF	OFF	ON	OFF
5	ON	OFF	ON	OFF
6	OFF	ON	ON	OFF
7	ON	ON	ON	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
12	OFF	OFF	ON	ON
13	ON	OFF	ON	ON
14	OFF	ON	ON	ON
15	ON	ON	ON	ON

NOTE: The TX-505 is not able to control other FOXPRO® units such as the FX3, FX5, Scorpion, etc.

6.0 TX-505 and CS-24B CUSTOMIZATIONS

The TX-505 and CS-24B have many features—most of which can be customized to work in a manner conducive to your needs. This section will examine the menu system in detail and explain the available customizations that you can perform.

6.1 CS-24B CONTROL MENU

This menu allows you to select how the CS-24B will operate. From speaker selections, mono or stereo playback, and AUTO-V—use this menu to get the CS-24B working the way you want it.

MONO/STEREO

This menu allows you to specify the playback mode of the CS-24B. To change the playback mode, use the selector to highlight the desired option then press down on the selector knob one time:

MONO
STEREO
REVERSE STEREO

By default, the CS-24B will be set to operate in stereo mode. Reverse stereo mode allows you to flip the left and right audio channels.

PLAY MODES

This menu allows you to specify which play mode the CS-24B will operate on. To change the play mode, use the selector to highlight the desired option then press down on the selector knob one time:

REPEAT MODE (plays sounds/sequences continuously)
SINGLE PLAY MODE (plays sounds/sequences once)
JUKEBOX MODE (plays sounds/sequences incrementally)

NOTE: By default, REPEAT will be set as the play mode.

AUTO-V ON & AUTO-V OFF

You can turn AUTO-V on or off by highlighting the desired one and press down on the selector knob one time. See section on AUTO-V for more details.

6.2 TX500 CONFIG MENU

This menu allows to you setup how the TX-505 will operate. Everything from contrast to how the AUX button performs will be configurable through these menus.

AUX

This option allows you to specify whether the AUX function will be momentary or latched. To change the AUX settings, use the selector to highlight the desired option then press down on the selector knob one time.

NOTE: FOXPRO®'s Jack Attack Decoy requires that the AUX function be setup for momentary. Please check the specifications on the device you are trying to operate

prior to connecting it to your CS-24B.

DISPLAY

The display menu has many submenus that will customize the TX-505. Each one will be discussed. To enter the submenu, simply highlight the desired one and press down on the selector knob one time.

Text

There are two options for text; **NORMAL** and **LARGE NUMBERS ONLY**. The vast majority of users will leave this setting on **NORMAL**, but for those who have trouble reading the information on the screen, you are invited to use the **LARGE** setting. To change the text settings, use the selector to highlight the desired option then press down on the selector knob one time.

Graphics

The graphics menu allows you to control whether the screen **NORMAL** or **REVERSE IMAGE**. Reversing the image may be beneficial for users who are hunting at night to help reduce the glow from the screen. You can also set the contrast. To change the graphics settings, use the selector to highlight the desired option then press down on the selector knob one time.

To set the contrast, highlight the **SET CONTRAST** option and press down on the selector knob. You will see a cursor appear in the middle of the screen. The middle position is the default position. To make adjustments, rotate the selector knob clockwise or counterclockwise to set the bar. Moving the cursor to the left will decrease the contrast and to the right will increase. Once you have a desired setting picked, press down on the selector knob one time to lock it in.

Scroll

This menu allows you to adjust how the scrolling function will work. **PAGED** will result in six sounds being displayed per page and six more sounds being displayed upon incrementing to the next page. **SINGLE** will allow you to increment up by one sound at a time rather than a page at a time.

NOTE: By default, the scroll option will be set to **PAGED**.

Backlight

There are four options in the backlight menu; **ALWYS OFF**, **LOW**, **MEDIUM**, **HIGH**, and **ALWAYS ON**. To change the backlight settings, use the selector to highlight the desired option then press down on the selector knob one time.

NOTE: You should experiment with the different settings to find out which ones work the best in varying conditions.

CHANNEL

You can select the desired channel that you want to TX-505 to operate on from this menu. Make sure that the channel selected in the TX-505 corresponds to the same channel setup in the CS-24B. See the channel selection section for more information. To change the channel, use the selector to highlight the desired option then press down on the selector knob one time.

VOLUME STEPS

This menu allows you to customize the speed at which the TX-505 will ramp the volume. The options are 2, 4, 5, 8, and 10. To change the volume step settings use the selector to highlight the desired option then press down on the selector knob one time.

NOTE: Experiment with the volume steps to find out which one works the best for you. By default, the volume step will be set to 2.

UPLOAD SOUND LIST

After reprogramming your CS-24B, this menu item will allow you to upload the new sound list from the CS-24B to your TX-505. For more information read the programming section of this manual.

TIMER

The TX-505 transmitter features a timer displayed on the bottom status line. This makes it handy for determining length of stands, and to determine respond times of incoming animals. When your TX-505 is turned on, the timer begins counting. The timer displays minutes and seconds up to 99:59. Once this time is reached, the timer rolls over to 00:00, and commences counting. The timer can be reset at any time in the back menu by selecting the RESET TIMER option. Once you turn your TX-505 transmitter off, the timer stops counting.

BATTERY MONITOR

The TX-505 transmitter also features a very effective battery monitor on the bottom status line. The TX-505 transmitter operates on three standard AA batteries. Please use high quality alkaline or lithium batteries. Battery life of the TX-505 transmitter can approach two months with heavy use. Watch the battery monitor and replace the battery before the batteries become completely depleted.

7.0 REPROGRAMMING SOUNDS ON YOUR CS24B

You can locate an extensive guide to programming your CS24B on the FOXPRO website at:

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

Also featured is a video that guides you through the programming process. We

recommend visiting the website and viewing the information and video for additional assistance in programming your CS24B.

A computer is required in order to reprogram your sounds. The CS24B can be reprogrammed by using personal computers equipped with Windows operating system version 2000 ME or later (98 SE or earlier is not compatible), or a Macintosh computer with an operating system of 9.X or later.

7.1 PURCHASING NEW SOUNDS

You can access the FOXPRO website at any time to purchase new sounds to program in your CS24B. 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 for \$8.00, 8 sounds of your choice for \$15.00, and 16 sounds of your choice for \$25.00. Consult the programming link listed at the beginning of this section for more details on purchasing, downloading, and installing new sounds from the website.

NOTE: Prices mentioned in the proceeding section are accurate as of the publication date found on the back of this manual. All prices are subject to change without notification. No guarantees are made in product pricing. Always consult the website before making a decision to purchase. If you do not have access to a computer, sounds can be reprogrammed or added for a fee by sending your CS24B to FOXPRO.

7.2 DOWNLOADING THE FOXPRO PROGRAMMING UTILITY

We have developed a utility that simplifies the reprogramming of sounds on your CS24B with Windows-based PC's. You can download the utility from our website. This is not compatible with Mac or other operating systems.

To download and install the Programming Utility from the website

1. Using your web browser, navigate to: <http://www.gofoxpro.com>
2. Mouse over the “Resources” menu, locate the “Support” section, and then click on “Programming”
3. Locate the “Software Links” section on the left side of the page. The first item will be “FOXPRO Programming Utility”. Click on this link.
4. If your browser prompts you to save or run the file, click on run. If you do not have the option, you must save the file and then run it once the download has completed.
5. Follow through the on-screen prompts to get the utility installed on your computer.

Once the program has completed the installation, you can locate The

programming utility in your Start Menu under “All Programs” and then “FOXPRO”.

7.3 PROGRAMMING WITH THE UTILITY

To gain access to the CS24B’s USB port

1. Remove the speaker cap from the back side of the CS24B by taking out the 3 screws. The USB port is located inside of the cap.
2. Connect a USB cable between this port, and the USB port on your computer. Once the connection is made, your computer should recognize the CS24B as a removable drive.

NOTE: The USB cable is not provided with the CS24B. You will need a USB 2.0 A/B cable. This is often referred to as a “USB printer cable”.

Programming Process

1. Open the FOXPRO Programmer. The shortcut for the utility is located in your Start menu under “All Programs” and then “FOXPRO”. After clicking on the shortcut, you will be reminded to back your sounds.
2. Click OK, you will then be taken to the programming utility.
3. On the upper-right of the screen, locate “Select Device”. Use the drop-down menu to select the appropriate letter for your CS24B.

NOTE: The drive letter varies on different computers. Once you have selected the correct drive letter, the list of sounds currently on your CS24B appears in the right vertical column labeled “Caller Sound Files”. You will now notice that a new button appears above the Select Device window that reads “Backup”. If you have not made a backup of your sounds, simply click on this button. The programmer by default will backup your sounds to a “FOXPRO” folder, and a sub folder “Backup”. This is also a good folder to use to add new sounds prior to adding sounds, or reprogramming your CS24B. You can also create sub folders for different species, if you choose, rather than to have all sounds located in one folder. Once your backup is complete, you are ready to reprogram your CS24B.

4. Select the “source” folder of your new sounds (located on the left hand side of the programmer screen). This is the folder where your sounds are located. By default, the FOXPRO Programmer will access the C:\FOXPRO\Sounds folder. If this is not the folder that your sounds are located in, select the proper folder by using the directory selector on the far left side of the screen.
5. Once the proper folder is selected, the sounds will appear in the left side column, called “Source Sound Files”.
6. Now, determine the position that you would like to add new sounds to your CS24B. For example, if you would like to add the Jackrabbit

Distress to your CS24B, highlight that sound in the left side column.

NOTE: If this sound does not have a three digit number and a space located at the beginning of it, you must check the Append Sound Number box located below the left column. By selecting this box, the sound name will not be shortened. If there is a three digit number and a space before the name of the sound, there is no need to check this box. The first four characters will be either truncated or ignored, by not selecting this box.

7. Select the position in the right column where you would like to add the sound. If you want to overwrite the sound in that position, then click on the overwrite box, located between the two columns. This will replace the current sound in that position. Otherwise, use the Insert button to insert at that position.

NOTE: The sound that was located in that position will be deleted. If you choose to insert the sound in that position and move all other sounds down one, click the insert button. This will add the sound in that position and not overwrite the current sound. If you would like to remove sounds from the right side column before adding new ones, simply highlight the sound, and click on the “Remove From List” button, located between the two columns.

If you would like to relocate a sound in the right sound column, you can highlight the sound and then type the position number that you would like to move it to in the “Move To” box (located below the right side column). This will move the sound to your designated number. You can also highlight the sound that you wish to move on the right column, and then click on the up or down arrows below the right side column to move the sound one position at a time. If you would like to reset your list at any time, click on the Clear/Reset List button located on the right side of the screen. This will reset the list to its initial sounds.

8. Click on the “Copy to Caller” button located on the right side of the screen. Your sounds will now be programmed to your CS24B.

NOTE: Your CS24B will play .FXP, .24b .mp3 and .wav files. Other file types are not supported. Although you may store .FXP and .24b sounds on your computer for later use, they cannot be played on your computer, or on any audio player other than a FOXPRO caller.

7.4 DOWNLOADING NEW PLAYLIST TO TX-505

Program your sounds into the CS-24B 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 CS-24B (i.e. speakers, etc.)
2. Turn the power off on both the CS-24B and the TX-505.
3. Connect the provided patch cable to the jack on the top of the transmitter.
4. Connect the other end of the cable to the “AUX” jack on the CS-24B.
5. Turn on the TX-505 by depressing and holding down on the scroll knob for 4 seconds.
6. Access the Main Menu
7. Enter the “TX500 CONFIG” menu
8. Highlight the “UPLOAD SOUND LIST” menu item and press down on the selector knob one time
9. A screen will appear prompting you to turn on the CS-24B
10. Turn on the CS-24B, a progress bar on the TX-505 display will indicate the playlist is being transferred. **Note: This process may take a few minutes to complete. Do not turn off the TX-505 or CS-24B while the sound list is being transferred.**
11. Once complete, the TX-505 display will prompt you to unplug the cable, the use the rotary selector knob to select “CONTINUE” to return to your main screen.

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.

Industry Canada Notice

Operation is subject to the following two conditions:

This device may not cause harmful interference and

This device must accept any interference received, including interference that may cause undesired operation.

LIMITED WARRANTY STATEMENT

Your FOXPRO® wildlife caller 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. 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.

Please record the serial number for your CS-24B

(Located on a sticker inside of your speaker cap)

Serial Number



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