

# USER MANUAL

Published December 2018

Firmware Version CL-273



ZAXCOM.COM

## TRXCL3

The Ultimate In Sending Audio To Camera

HOME SCREEN ..... 6

MAIN MENU ..... 7

    UHF TRANSMIT FREQUENCY SET .....7

    ZAXNET TRANSMIT FREQUENCY SET.....7

    UNIT CODE SET .....7

    REMOTE FREQUENCY ADJUST .....8

    REMOTE POWER MODE.....8

    PLAYBACK MENU.....9

    TIME CODE ROUTING .....9

    TIME CODE FRAME RATE SET.....9

    AUDIO OUTPUT.....9

    IFB TX ADJUST .....10

    LOCK PAGE.....10

SUB MENUS.....11

    MENU GROUPS .....11

    ACCESSING AND NAVIGATING THE MENU GROUPS .....11

    ENTERING AND NAVIGATING A SUB MENU.....11

    EXITING THE EXTENDED MENU.....11

TIME CODE MENU.....12

    TIME CODE FRAME RATE SET.....12

    TIME CODE SOURCE SELECT.....12

    TC JAM MODE SELECT .....12

    MUTE TIME CODE TRANSMISSION UNTIL JAMMED .....13

    TIME CODE ROUTING .....13

    AUTO FRAME RATE ENABLE.....13

    MANUAL TIME CODE ENTRY.....13

TRANSMIT MENU.....14

    UHF TRANSMITTER POWER LEVEL SET .....14

    UHF TRANSMIT MODULATION SET.....14

    POWER ROLL MODE .....14

    TRANSMITTER DISABLE - RECORD ONLY MODE.....14

RECORD MENU .....15

    SD CARD FORMAT .....15

    PLAYBACK MENU.....15

    TIME LEFT ON CARD.....16

    AUTOMATIC RECORD AFTER BOOT UP.....16

    RECORDING MODE SET.....16

ZAXNET MENU.....17

    ZAXNET MODE .....17

    ZAXNET RECEIVE FREQUENCY SET.....17

    ZAXNET TRANSMIT FREQUENCY SET.....17

    TRANSMITTER REMOTE ROLL ENABLE.....17

    FOLLOW EXTERNAL RECORD .....18

    GROUP CODE SET .....18

    UNIT CODE SET.....18

    ZAXNET VOTING ENABLE .....18

    RECORD BEEP SET.....19

    REMOTE TRANSMITTER GAIN ADJUST.....19

    REMOTE FREQUENCY ADJUST .....19

REMOTE POWER MODE.....	20
DROPOUT COMPENSATOR.....	21
ZAXNET TRANSMIT POWER .....	21
<b>AUDIO MENU.....</b>	<b>22</b>
HIGH PASS FILTER.....	22
2K NOTCH FILTER.....	22
IFB AUDIO MIX.....	22
AUDIO INPUT SELECT.....	22
<b>SETUP MENU .....</b>	<b>23</b>
AUDIO OUTPUT.....	23
RS422 MODE .....	23
TEST TONE .....	23
KEY LOCK ON BOOT UP .....	23
QRX / ERX FIRMWARE UPDATE .....	24
OLED BRIGHTNESS ADJUST.....	24
OLED DISPLAY DIM .....	24
INFORMATION PAGE .....	24
HIDE ENCRYPTION MENU.....	24
ENCRYPTION CODE SET.....	25
HIDE TRANSMITTER NAME MENU .....	25
TRANSMITTER NAME SET .....	25
RECORDING FORMAT .....	26
<b>FIRMWARE .....</b>	<b>27</b>
UPDATING THE TRXCL3 FIRMWARE.....	27
UPDATING ERX FIRMWARE WITH A TRXCL3 TRANSMITTER .....	27
UPDATING QRX FIRMWARE WITH A TRXCL3 TRANSMITTER .....	28
<b>WIRING CONFIGURATIONS.....</b>	<b>29</b>
BALANCED LINE LEVEL ANALOG IN .....	29
AES DIGITAL IN.....	29
DATA IN.....	29
AUDIO OUT.....	30
12 VOLT DC POWER .....	30
<b>OPERATING FREQUENCIES.....</b>	<b>31</b>
ZAXNET - REMOTE CONTROL AND TIME CODE .....	31
UHF - AUDIO .....	31
<b>PRODUCT SUPPORT .....</b>	<b>33</b>
<b>SPECIFICATIONS.....</b>	<b>34</b>
<b>ZAXCOM WARRANTY POLICY AND LIMITATIONS.....</b>	<b>35</b>



**1. OLED Display**

**2. INC / Record Key**

- Increases the parameters of a menu item.
- When in the Home Screen:
  - Pressing and hold when home screen record is enabled will put the TRXCL3 into record.
- When in the Transport Control Screen:
  - When not recording a quick press will cause the TRXCL3 to play back.
  - A quick press while playing back will jump ahead within the same segment.
  - Press and hold to advance to the next segment.

**3. SMA Antenna Connector - UHF**

**4. DEC / Stop Key**

- Decreases the parameters of the menu items.
- When in the Home Screen:
  - Press and hold when the home to stop recording.
- When in the Transport Control Screen:
  - A quick press when playing back will cause the TRXCL3 to stop playback.
  - Press and hold while playing back will jump to the start of that segment.
  - A quick press while stopped will jump back to the previous segment.

**5. Menu Key**

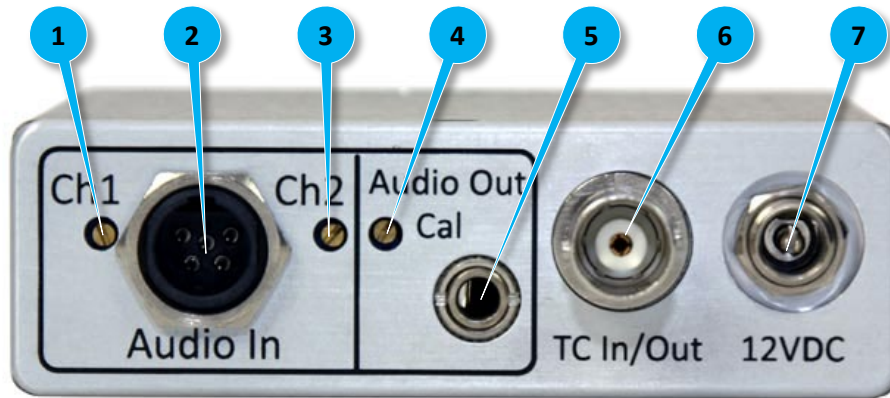
- Press it to access the menu and to advance to the next menu item.
- Hold while powering up to access the Extended Menu.

**6. SMA Antenna Connector - ZaxNet**

**7. Power Switch**

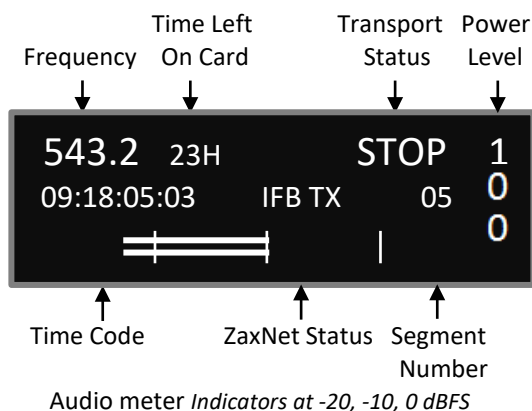
**8. Micro SD Card Slot**

To insert a Micro SD card, turn the card so the finger contacts are facing up towards the LCD screen and down toward the slot. Insert the card into the slot and press it down until a slight click is heard. To remove it, press the card the same click is heard again.



1. **Analog Input Trim Adjust** - Channel 1 ( Left )
2. **Audio In Connector** - TA5M  
This connector is used to input both analog and digital audio.
  - Analog audio is two balanced line level inputs
  - Digital audio is an AES pair.
3. **Analog Input Trim Adjust** - Channel 2 ( Right )
4. **Audio Out Level Adjust**
5. **Audio Out** - 3.5mm (summed to mono on tip of a TRS)
  - When playback the audio from the card will be outputted.
  - When in transmit mode the inputted audio will be outputted.
  - When in receive mode the ZaxNet received audio will be outputted. If there is no ZaxNet audio present the inputted audio will be outputted.
  - When recording the inputted audio will be outputted. When recording in receive mode the ZaxNet received audio will be outputted.
6. **Time Code IN/OUT** - BNC  
Menu adjustable to be used as a time code input or output.
7. **DC Power Input** - Switchcraft 760K connector.

## Home Screen



### Frequency

This is the transmit frequency of the TRXCL3. If the TRXCL3 is being used in RECORD ONLY mode “NOTX” will be displayed.

### Time Left on the Card

This is the remaining record time left on the card. Please note that regardless of how much time is left on the card the TRXCL3 can only record 500 segments. If 500 segments are reached the card will need to be reformatted.

### ZaxNet Status

- IFB RX - The TRXCL3 is receiving ZaxNet.
- IFB TX - The TRXCL3 is transmitting ZaxNet.

**Transport Status** - Displays the current mode of the recording feature.

- STOP - Recording / Playback is stopped
- LREC - TRXLA3 is recording in LOOP RECORD mode.
- REC - TRXLA3 is recording in NON-LOOP RECORD mode.
- PLAY - TRXLA3 is playing back a recorded audio file.

**Power Level** - Displays the transmit power level.

**Time Code** - Displays the time code.

**Segment Number** - Displays the number of recorded segments on the micro SD card.

**Audio Meter** - Displays the modulation of the inputted audio signal.

If using a stereo modulation both the left and right audio levels will be shown.

## Main Menu

To cycle through the main menu press the MENU key.

### UHF Transmit Frequency Set

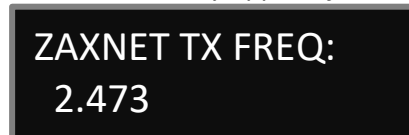


This menu is where the UHF transmit frequency is set.

- Short presses of the INC or DEC key causes the value to change by 0.1 MHz
- Holding the INC or DEC key causes the value to change by 0.5 MHz

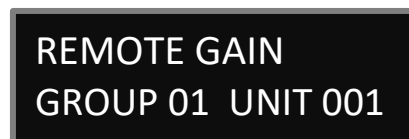
### ZaxNet Transmit Frequency Set

*This menu will only appear if ZaxNet is set to transmit (TX) mode*



The ZaxNet transmit frequency is the frequency that the ZaxNet transmitter on the TRXCL3 will send commands, time code and IFB audio on.

### Remote Transmitter Gain Adjust



The remote gain menu adjusts the gain of the transmitter that has the same group and unit code displayed wirelessly via ZaxNet. If the transmitter is not in range of the ZaxNet signal, the gain command will have to be repeated once the transmitter comes back into range

Please note that this does not affect the gain of the TRXCL3.

- Press the INC key to increase the gain. The display will show "++" in the top right hand corner as the gain is being adjusted.
- Press the DEC key decrease the gain. The display will show "--" in the top right hand corner as the gain is being adjusted.
- Each key press will alter the gain by 2dB.

### Unit Code Set



This menu is where the unit code is adjusted. Each transmitter that is being remotely controlled will be assigned a unit code. That unit code allows for that specific transmitter to be controlled individually from the TRXCL3. The unit code can be set to any number from 1 to 200 or "ALL" can be selected - to control all transmitters at the same time.

## Remote Frequency Adjust

RMOTE CH 625.3  
UNIT CODE = 2 000

The remote frequency adjust menu is where the UHF frequency of the transmitter that is being remote controlled is changed from.

### Adjusting the transmitter frequency remotely

- In the unit code menu set the unit code for the transmitter to be adjusted.
- Press the INC key to increase the frequency.
- Press the DEC key to decrease the frequency.
- Pressing the INC or DEC key will change the frequency by .1 MHz
- Pressing and holding INC or DEC the key will change the frequency by 1MHz.

## Remote Power Mode

REMOTE POWERMODE  
0: POWER=ON

The remote power mode menu allows for the RF power setting of the transmitters that is being controlled to be adjusted. The transmitters have three selectable power settings:

- **NORMAL** - The transmitters are at full power.
- **WAKE** - If a transmitter is set to REMOTE STANDBY it will power up to a non-transmitting low power mode. A transmitter set to wake will save approximately 75% of the power of normal operations. To use wake mode set the BOOT UP MODE to REMOTE STANDBY in the transmitter. When in remote standby the transmitter, when powered up, will remain in standby mode until it receives the wake command. Once the transmitter is awoken the only way for it to go back into standby mode is by a power cycle.

So when "WAKE" is selected in this menu the transmitter will go to full power.

- **LOW 2** - Low 2 disables the RF power amplifier, RF board and microphone pre-amp on the transmitter. In LOW 2 mode the TRX will save approximately 50% of the power of normal operations. The transmitter can be put into or taken out of LOW 2 mode as often as desired when selected in this menu.

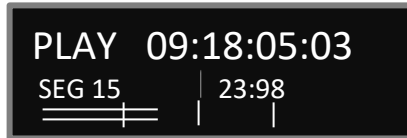
### Remote Powermode Settings:

- **0: POWER=ON** - Normal operation - the transmitter will be fully powered ON
- **1: POWER=ON** - Normal operation (same as 0) filler to prevent accidental power setting adjustment.
- **2: POWER=ON** - Normal operation (same as 0) filler to prevent accidental power setting adjustment.
- **3: POWER=ON** - Normal operation (same as 0) filler to prevent accidental power setting adjustment.
- **4: POWER=ON** - Normal operation (same as 0) filler to prevent accidental power setting adjustment.
- **5: POWER=WAKE** - This would be selected to wake a transmitter to full power when the boot up mode is set to remote standby.
- **6: POWER=LOW2** - This setting will put the transmitter into and out of LOW2 power mode. A transmitter can come in and out of LOW2 mode as needed. When in LOW2 mode "LOW 2" will be displayed on the transmitters' home screen. Please note LOW2 will not disable recording but audio will be muted. Once the power is set to Low2 the TRXCL3 can be powered down. Then when the TRXCL3 is powered up all transmitters being controlled will automatically come up to full power since the TRXCL3 will always boot up to the 0 Power setting.

Please note if the transmitter is not in range of the ZaxNet signal, the power setting command will have to be repeated once the transmitter comes back into range.



## Playback Menu



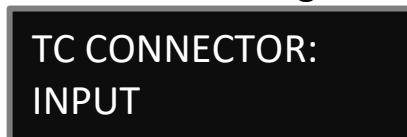
Recorded files can be played back from this page.

Displayed is the current mode of the recorder: REC, PLAY or STOP followed by the time code, then the current segment number, time code frame rate and the audio meter.

Playing back from the transport page

- Pressing the INC key while stopped will play the segment.
- Pressing the INC key while playing back will jump ahead approximately 2 minutes.
- Press and holding the INC key will advance to the next segment.
- Pressing the DEC key while playing back will stop the playback.
- Holding the DEC key while playing back will take you to the start of that segment.
- Pressing the DEC key while stopped will jump back a segment.

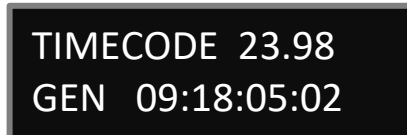
## Time Code Routing



This menu sets the function of the BNC time code connector.

- **OUTPUT** - The TRXCL3 will output time code on the BNC connector.
- **INPUT** - The TRXCL3 will receive time code on the BNC connector.

## Time Code Frame Rate Set

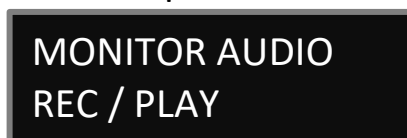


The time code frame rate menu is where the time code frame rate is set.

The TRXCL3 will lock to and record all standard time code frame rates.

- 23.98, 24, 25, 29.97DF, 29.97DF, 30 DF, 30 NDF

## Audio Output



The audio output menu sets what audio will be outputted on the 3.5mm audio out connector on the TRXCL3.

- **REC/PLAY** - Outputs the audio from the SD card - this is the audio that is either currently being recorded or playing back.
- **IFB RX AUDIO** - Outputs the audio that is being received from ZaxNet IFB.
- **IFB MIX ALL** - Outputs a mix of the recording / playback audio and the IFB audio.

## IFB TX Adjust

IFB TX MIX  
LEFT AND RIGHT

The IFB audio mix sets what audio will be transmitted from the TRXCL3 via ZaxNet. Please note that this only affects the ZaxNet IFB audio and not the UHF transmitted audio.

- **RIGHT ONLY** - Right inputted audio only will be transmitted.
- **LEFT ONLY** - Left inputted audio only will be transmitted.
- **LEFT AND RIGHT** - Both Left and right audio will be summed to mono and transmitted.

## Lock Page

LOCK 5



← Countdown clock starting at 5 seconds

LOCKED 09:18:05:02  
23.98  
IFB RX



← After the transmitter locks

This page enables a key lock function so no parameters can be changes. When the lock page is landed on a countdown clock will begin. After 5 seconds the TRXCL3 will lock and the display will indicated that it is LOCKED. If this screen is exited before the 5 seconds are up the transmitter will not lock.

To lock the transmitter before the 5 seconds press and hold the DEC key.

If the OLED brightness setting is set to "2" the screen will blank out when the transmitter is locked. The only thing that will be displayed is a small character displaying the status of the internal recorder.

S - The recorder is stopped, R - The transmitter is recording, L - The transmitter is recording in loop mode and P - The recorder is playing back.

Pressing the INC key when the transmitter is locked will display the transmitters group and unit code, its transmit frequency and serial number. Pressing the DEC key will display the units name, and current record segment number.

To unlock the TRXCL3

- Press and hold the MENU key and press INC keys 5 times.  
Or
- Powering down and reboot the TRXCL3.

## Sub Menus

### Menu groups

The TRXCL3 has six sub menu groups

- **Time Code** - Changes the time code parameters of transmitter.
- **Transmit** - Changes the parameters of the UHF transmitter.
- **Record** - Changes the parameters of the on-board recorder.
- **ZaxNet** - Changes the parameters of the ZaxNet transceiver.
- **Audio** - Changes the parameters of the transmitted and recorded audio.
- **Setup** - Changes the parameters of the general operation on the transmitter.

### Accessing and navigating the menu groups

From in the home screen press the DEC key three times, or hold the MENU key while booting up, to access the six menu groups. Then pressing the INC or DEC key will cycle between the menu items.

### Entering and navigating a sub menu

When landing on the desired menu group press the MENU key to enter that menu.

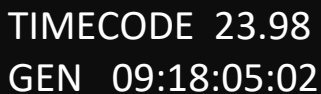
To return to the top of the menu press the MENU key to cycle to the top or press and hold the MENU key for 1.5 seconds.

### Exiting the extended menu

To exit press the MENU key to cycle through the sub menu items until HOME MENU is displayed, then press the MENU key. Or cycle the power.

## TIME CODE MENU

### Time Code Frame Rate Set




TIMECODE 23.98  
GEN 09:18:05:02

The time code frame rate menu is where the time code frame rate is set.

The TRXCL3 will lock to and record all standard time code frame rates.

- 23.98, 24, 25, 29.97DF, 30 DF, 30 NDF

### Time Code Source Select

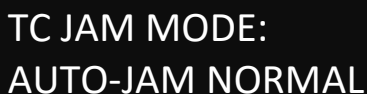


TC SOURCE:  
IFB (RF)

The time code source menu selects how the transmitter will receive its time code.

- **IFB (RF)** - The TRXCL3 will receive time code via ZaxNet
- **BNC CONNECTOR** - The TRXCL3 will receive time code via the BNC input.

### TC Jam Mode Select



TC JAM MODE:  
AUTO-JAM NORMAL

This menu controls if the TRXCL3 will go into record when it receives a record run time code.

- **AUTO-JAM NORMAL** - The TRXCL3 will continuously jam time code via ZaxNet and will go into record when receiving a record command via ZaxNet or if the unit is put into record manually by pressing the CARD and INC keys simultaneously.
- **AUTO-LOAD REC RUN** - In Auto-Load mode the TRXCL3 will go into record when it detects rolling time code, and will stop when the time code stops.

## Mute Time Code Transmission Until Jammed

MUTE TC SEND  
UNTIL JAMED: OFF

If the mute time code menu is set to ON the ZaxNet transmitter will not broadcast time code over ZaxNet until the TRXCL3 receives time code and jams its own internal time code generator. This prevents the ZaxNet from sending incorrect time code to another device.

## Time Code Routing

TC CONNECTOR:  
INPUT

This menu sets the function of the BNC time code connector.

- **OUTPUT** - The TRXCL3 will output time code on the BNC connector.
- **INPUT** - The TRXCL3 will receive time code on the BNC connector.

## Auto Frame Rate Enable

AUTO FRAME RATE  
ON (23.98)

When turned ON the TRXCL3 will automatically set its frame rate to the frame rate that is feeding the TRXLA3. If auto frame rate is set to OFF the frame rate will need to be adjusted manually.

## Manual Time Code Entry

TIME CODE ENTRY  
>H00 M00 JAM

This menu allows for the time code to be manually entered.

To manually enter the time code

- Press the INC and DEC key to adjust the hours.
- Press the MENU key to advance cursor to the minutes position and press the INC and DEC key to adjust.
- Press the MENU key to advance the cursor to the JAM position and press the INC key.
- Please note the seconds and frames will always start at 00.

## TRANSMIT MENU

### UHF Transmitter Power Level Set

TX POWER: 50MW

The UHF transmit power of the TRXCL3 is set from this page. The transmit power can be adjusted to output 25, 50 or 100mW.

### UHF Transmit Modulation Set

TX FORMAT:  
STEREO

The UHF transmission modulation is the way the TRXCL3 sends audio to the receiver. Please note if the transmission format that is set here, and the format set on the receiver do not match, the receiver will be unable to decode the audio from the TRXCL3. Also note that after any change to the transmit format the TRXCL3 will need to be rebooted. To send two channels of audio to a camera the modulation will need to be set to stereo.

### Power Roll Mode

POWER ROLL:  
OFF

Power roll will allow the transmitter to stay in a lower transmit power setting to conserve battery power, and then when triggered the transmitter will increase the output power.

- **OFF** - Power roll is disabled and the TRXCL3 will remain at the set power level.
- **DIVA TRIGGER** - A command from a Zaxcom recorder will cause the TRXCL3 to go to full power.
- **RECORD TRIGGER** - When the transmitter goes into record either manually or from an AUTO-LOAD trigger the TRXCL3 will go to full power.

### Transmitter Disable - Record only mode

TX DISABLE :  
NORMAL TX MODE

- **Record Only Mode** - Will set the TRXCL3 to act as a standalone recorder and will not transmit any audio over UHF.
- **Normal TX Mode** - The TRXCL3 will record and transmit audio over UHF.

## RECORD MENU

### SD Card Format

*This menu will only appear if a card was inserted prior to booting up*

**PRESS UP KEY 5X:  
TO ERASE CARD**

The Micro SD card is erased and formatted from this menu. Please note that all cards need to be formatted in the TRXCL3 prior to recording.

Before formatting the card, the TRXCL3 can optionally be renamed (see set up menu). When the TRXCL3 is named that name is included in the recorded file name this makes it easier to differentiate files from different recorders. The card name menu is located at the end of the set up menu. The factory default name is the transmitter's serial number.

### Partial Format

If the card's FAT32 file structure gets corrupt while doing a file transfer, and the card is no longer recognized by the TRXCL3 or by ZaxConvert, a partial format can be done. The partial format rewrites the FAT32 file structure and leaves the recorded audio untouched. To do a partial format from this menu press the DEC key 9 times "PARTIAL FORMAT" will then be displayed.

### Playback Menu

**PLAY 09:18:05:03**  
SEG 15 | 23:98  
=====|=====

Recorded files can be played back from this page.

Displayed is the current mode of the recorder: REC, PLAY or STOP followed by the time code, then the current segment number, time code frame rate and the audio meter.

#### Playing back from the transport page

- Pressing the INC key while stopped will play the segment.
- Pressing the INC key while playing back will jump ahead approximately 2 minutes.
- Press and holding the INC key will advance to the next segment.
- Pressing the DEC key while playing back will stop the playback.
- Holding the DEC key while playing back will take you to the start of that segment.
- Pressing the DEC key while stopped will jump back a segment.

## Time Left on Card

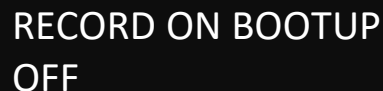
*This menu will only appear if a card was inserted prior to booting up*



TIME LEFT 20 H  
TIME USED 4 H

This page displays the remaining record time left on the card as well as the time already recorded on the card.

## Automatic Record after Boot up




RECORD ON BOOTUP  
OFF

Record on boot up allows the onboard recorder to automatically start recording after the TEXCL3 boots up.

- **ON** - The onboard recorder will automatically start to record after the TRXCL3 boots up.
- **OFF** - The onboard recorder will wait for a ZaxNet command or a manual record trigger to start recording.

## Recording Mode Set



RECORD MODE:  
LOOP RECORD

Record mode sets what the recorder will do after the card is full. Please note that regardless of this setting the card can only record 500 files.

- **NON-LOOP RECORD** - Once the card is full the recording will stop and FULL will be displayed. This setting prevents over-writing any portion of the audio.
- **LOOP RECORD** - Once the card is full, the new audio will begin over-writing the oldest audio on the card.



## ZAXNET MENU

### ZaxNet Mode

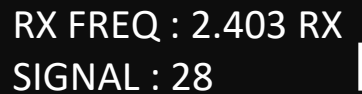
A black rectangular screen with white text that reads "ZAXNET MODE: TX".

This menu sets the mode of the ZaxNet transceiver.

- **OFF** - The ZaxNet transceiver is disabled
- **RX** - The TRXCL3 will receive ZaxNet commands, audio and time code.  
This screen will display what ZaxNet data is being received by the TRXCL3. Including total received information packets, ZaxNet TC received and remote control commands received. This information is used for debugging purposes.
- **TX** - The TRXCL3 will transmit ZaxNet commands, audio and time code.

### ZaxNet Receive Frequency Set

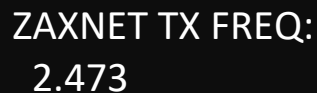
*This menu will only appear if the TRXCL3 is set to receive (RX) mode*

A black rectangular screen with white text that reads "RX FREQ : 2.403 RX" on the first line and "SIGNAL : 28" on the second line. A vertical white bar is visible on the right side of the screen.

The ZaxNet receive frequency is the frequency that the TRXCL3 will get its wireless time code and remote control commands on. This frequency will need to match the frequency of the corresponding ZaxNet transmitter. When the TRXCL3 is receiving a valid ZaxNet signal the signal strength will be shown as well as signal strength meter that runs vertically on the far right side of the screen.

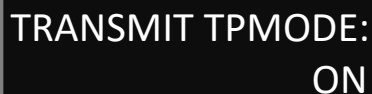
### ZaxNet Transmit Frequency Set

*This menu will only appear if the TRXCL3 is set to transmit (TX) mode*

A black rectangular screen with white text that reads "ZAXNET TX FREQ:" on the first line and "2.473" on the second line.

The ZaxNet transmit frequency is the frequency that the ZaxNet transmitter on the TRXCL3 will send commands, time code and audio on.

### Transmitter Remote Roll Enable

A black rectangular screen with white text that reads "TRANSMIT TPMODE:" on the first line and "ON" on the second line.

This menu allows the transmitters being controlled via ZaxNet to follow the record and stop commands of the TRXCL3. If this is set to ON and the TRXCL3 recording is triggered all transmitters that are being controlled from the TRXCL3 will begin to roll and when the TRXCL3 stops all transmitters will stop.

## Follow External Record

**FOLLOW EXTERNAL  
RECORD MODE: ON**

This menu allows the TRXCL3 to automatically go into record when a Maxx or Nomad recorder goes into record. To do so ZaxNet needs to be enabled on the time code out of the recorder, then hardwire the time code out into the TRXCL3. Then when the Nomad or Maxx goes into record the TRXCL3 will go into record.

## Group Code Set

**REMOTE CONTROL  
GROUP CODE = 1**

This menu is where the group code is assigned. The group code allows transmitters to be grouped together so a “group” of transmitters can be controlled via ZaxNet without affecting others.

So for example a TRXCL3 set to group 1 will control transmitter set to group 1 and a TRXCL3 assigned to group 2 will control group 2 transmitters. This is helpful if two or more people on set are sending ZaxNet commands. Therefore the different group codes allow each person to be independent and not interfere with each other. Most users leave the group set to 1 on all of their Zaxcom products. Group codes can be set from 1 to 99.

## Unit Code Set

**REMOTE CONTROL  
UNIT CODE = 001**

This menu is where the TRXLA3 is assigned a unit code. The unit code is a unique number used to identify each transmitter within a particular group. This allows individual transmitters within the same group to be independently controlled. Each transmitter should have a different unit code.

Unit codes can be assigned any number from 1 to 200.

## ZaxNet Voting Enable

*This menu will only appear if the TRXCL3 is set to receive (RX) mode*

**ZAXNET VOTING:  
NORMAL (OFF)**

The purpose of voting is to allow the ZaxNet receiver in the TRXCL3 to choose, and switch to, the stronger signal from two different ZaxNet transmitters. One purpose of this is if on a large set a second transmitter can be placed at a different location so the ZaxNet receiver in the TRXCL3 can choose the stronger signal. Please note that the second ZaxNet transmitting frequency must be set 2MHz higher than the first ZaxNet transmitter.

## Record Beep Set

*This menu will only appear if the TRXCL3 is set to transmit (TX) mode*

**ZNET RECORD BEEP  
OFF**

When the record beep is set to ON, and the TRXCL3 is recording, the confidence audio sent to the ERX via ZaxNet will have an audible beep, in variable intervals, giving conformation that the TRXCL3 is indeed recording. The beeps will only be heard in the ERX and will not be recorded on the card, or be sent to the UHF receiver. The intervals can be set between 2 to 18 seconds in 2 second increments.

## Remote Transmitter Gain Adjust

**REMOTE GAIN  
GROUP 01 UNIT 001**

The remote gain menu adjusts the gain of the transmitter that has the same group and unit code displayed wirelessly via ZaxNet. If the transmitter is not in range of the ZaxNet signal, the gain command will have to be repeated once the transmitter comes back into range

Please note that this does not affect the gain of the TRXCL3.

Adjusting the transmitter gain remotely

- Press the INC key to increase the gain. The display will show “++” in the top right hand corner as the gain is being adjusted.
- Press the DEC key decrease the gain. The display will show “--” in the top right hand corner as the gain is being adjusted.
- Each key press will alter the gain by 2dB.

## Remote Frequency Adjust

**RMOTE CH 625.3  
UNIT CODE = 2 000**

The remote frequency adjust menu is where the UHF frequency of the transmitter that is being remote controlled is changed from.

Adjusting the transmitter frequency remotely

- In the unit code menu set the unit code for the transmitter to be adjusted.
- Press the INC key to increase the frequency.
- Press the DEC key to decrease the frequency.
- Pressing the INC or DEC key will change the frequency by .1 MHz
- Pressing and holding INC or DEC the key will change the frequency by 1MHz.

## Remote Power Mode

**REMOTE POWERMODE**  
**0: POWER=ON**

The remote power mode menu allows for the RF power setting of the transmitters that is being controlled to be adjusted. The transmitters have three selectable power settings:

- **NORMAL** - The transmitters are at full power.
- **WAKE** - If a transmitter is set to REMOTE STANDBY it will power up to a non-transmitting low power mode. A transmitter set to wake will save approximately 75% of the power of normal operations. To use wake mode set the BOOT UP MODE to REMOTE STANDBY in the transmitter. When in remote standby the transmitter, when powered up, will remain in standby mode until it receives the wake command. Once the transmitter is awoken the only way for it to go back into standby mode is by a power cycle.  
So when "WAKE" is selected in this menu the transmitter will go to full power.
- **LOW 2** - Low 2 disables the RF power amplifier, RF board and microphone pre-amp on the transmitter. In LOW 2 mode the TRX will save approximately 50% of the power of normal operations. The transmitter can be put into or taken out of LOW 2 mode as often as desired when selected in this menu.

### Remote Power Mode Settings:

- **0: POWER=ON** - Normal operation - the transmitter will be fully powered ON
- **1: POWER=ON** - Normal operation (same as 0) filler to prevent accidental power setting adjustment.
- **2: POWER=ON** - Normal operation (same as 0) filler to prevent accidental power setting adjustment.
- **3: POWER=ON** - Normal operation (same as 0) filler to prevent accidental power setting adjustment.
- **4: POWER=ON** - Normal operation (same as 0) filler to prevent accidental power setting adjustment.
- **5: POWER=WAKE** - This would be selected to wake a transmitter to full power when the boot up mode is set to remote standby.
- **6: POWER=LOW2** - This setting will put the transmitter into and out of LOW2 power mode. A transmitter can come in and out of LOW2 mode as needed. When in LOW2 mode "LOW 2" will be displayed on the transmitters' home screen. Please note LOW2 will not disable recording but audio will be muted. Once the power is set to Low2 the TRXCL3 can be powered down. Then when the TRXCL3 is powered up all transmitters being controlled will automatically come up to full power since the TRXCL3 will always boot up to the 0 Power setting.  
Please note if the transmitter is not in range of the ZaxNet signal, the power setting command will have to be repeated once the transmitter comes back into range.

## Dropout Compensator

**ZAXNET DROPOUT  
COMPENSATOR OFF**

The dropout compensator menu enables /disables the ZaxNet IFB drop out compensator.

When the drop out compensator is enabled, and if there is a brief drop out in the received ZaxNet audio, the drop out compensator will replace the drop out with a bit of the surrounding audio so the audio will match and there will be no audible drop out.

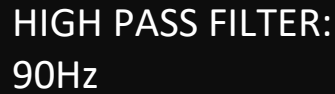
## ZaxNet Transmit Power

**ZAXNET TX POWER:  
7**

This menu is where the ZaxNet transmit power is set. The ZaxNet transmitter can be set from 0 to 7 with 7 being the highest.

## AUDIO MENU

### High Pass Filter



HIGH PASS FILTER:  
90Hz

The high pass filter is turned on and adjusted from this menu.  
The high pass filter range is 70Hz to 220Hz in 10Hz increments.

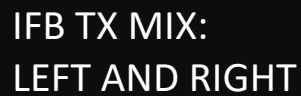
### 2K Notch Filter



2K NOTCH FILTER  
ON

The 2K notch filter is useful in removing digital RF interference that can potentially be introduced.

### IFB Audio Mix

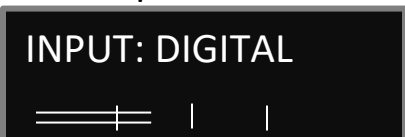


IFB TX MIX:  
LEFT AND RIGHT

The IFB audio mix sets what audio will be transmitted from the TRXCL3 via ZaxNet. Please note that this only affects the ZaxNet IFB audio and not the UHF transmitted audio.

- **RIGHT ONLY** - Right inputted audio only will be transmitted.
- **LEFT ONLY** - Left inputted audio only will be transmitted.
- **LEFT AND RIGHT** - Both Left and right audio will be summed to mono and transmitted.

### Audio Input Select



INPUT: DIGITAL

The audio input select sets what audio the TRXCL3 will input.

- **ANALOG** - Used when inputting an analog audio signal.
- **DIGITAL** - Used when inputting a digital audio signal.

## SETUP MENU

### Audio Output

MONITOR AUDIO  
REC / PLAY

The audio output menu sets what audio will be outputted on the 3.5mm audio out connector.

- **REC/PLAY** - Outputs the audio from the SD card - this is the audio that is either currently being recorded or playing back.
- **IFB RX AUDIO** - Outputs the audio that is being received from ZaxNet IFB.
- **IFB MIX ALL** - Outputs a mix of the recording / playback audio and the IFB audio.

### RS422 Mode

RS422 MODE (000)  
L=AUDIO R=AUDIO

When RS422 mode is enabled data can be inputted from an RX12 receiver, DEVA24 or Nomad recorder. Then when transmitter remote commands are adjusted on the RX12, DEVA24 or Nomad the TRXCL3 receives the commands and sent them via the ZaxNet transmitter in the TRXCL3. The data is inputted on the TA5 audio input connector. Please see the wiring configuration section of this manual for the pin assignments.

- **L=AUDIO R=AUDIO** - The TRXCL3 will accept audio only and no external data.
- **L=AUDIO R=DATA** - The TRXCL3 will accept audio on the left input and data on the right input.
- **L=DATA R=DATA** - The TRXCL3 will accept data on both inputs. This would be used when two RX12s need to send data.

### Test Tone

TEST TONE:  
OFF

The TRXCL3 has an internal tone generator which will generate tone so the signal chain can be properly gain staged. From this menu pressing the INC key will turn on the tone generator and cycle through the tone options which are 500Hz at -20dBFS, 1000Hz at -20dBFS or 500Hz at full scale.

### Key Lock On Boot Up

KEY LOCK ON BOOT:  
UNLOCKED

This menu sets what happens to the keys on the face of the TRXCL3 after boot-up.

- **LOCKED** - After boot-up has completed, the transmitter will automatically go into lock mode and the keys will be locked to prevent accidental changes to the settings.
- **UNLOCKED** - After boot-up the keys will remain unlocked. In unlocked mode the keys can still be locked going in to the lock screen in the main menu and wait 5 seconds.

To unlock the keys at any time - press and hold the MENU key while pressing the INC key 5 times.

## QRX / ERX Firmware Update

PRESS ↑ TO SEND  
QRX PROG FILE

This menu is used to update the firmware on a QRX or ERX receiver.

If the ZaxNet mode is set to OFF or receive (RX) this menu will allow for QRX firmware to be updated – if the ZaxNet mode is set to transmit (TX) then this menu will allow for ERX firmware to be updated.

For complete update instructions see the firmware section in the back of this manual.

## OLED Brightness Adjust

OLED BRIGHTNESS:  
3

This setting adjusts the brightness of the OLED display. The brightness can be set from 0 to 3 with 3 being the brightest and 0 the dimmest. Number 2 allows for blanking the lock screen so when the transmitter is locked the only thing that will be displayed is a single small character displaying the status of the internal recorder.

## OLED Display Dim

DISPLAY DIM:  
OFF (NORMAL)

This setting adjusts the amount of time, after the last key press, that the OLED display will dim. The dim time can be set to OFF in which the display will remain bright or any interval from 1 to 60 seconds.

## Information Page

--- INFO ---  
FIRMWARE V2-55  
SN: 1234 DSP:1B (ZHD)  
OPT = 03 LINK

This page displays the current firmware version, the serial number, the DSP version, and the option code.

## Hide Encryption Menu

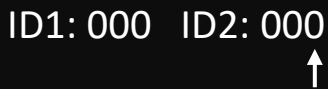
ENCRYPTION MENU:  
ON

This setting will hide the encryption menu. A hidden encryption menu allows for quicker navigation and prevents accidental changes.

- **HIDDEN** - The encryption menu doesn't appear when cycling through the menu settings.
- **DISPLAYED** - The encryption menu will appear.



## Encryption Code Set



ID1: 000 ID2: 000  
↑

If an encryption code is set the transmitted audio will be encrypted and can only be listened to if the receiver has the matching encryption code entered. When receiving an audio signal and the codes do not match, all that will be heard is white-noise or silence. So if using encryption it is important to make sure the matching receiver has the same code.


These two sets of numbers are formed into a single six-digit encryption code which provides a total of 16,777,216 possible combinations.

Please note that both of these codes should be set to 000 for normal un-encrypted operations

### Adjusting the encryption code

1. Momentarily press the MENU key to advance to the next character.
2. To change the designated character, press the INC or DEC key.
3. To exit this page, press and hold the MENU key for 1 second.

## Hide Transmitter Name Menu




NAME MENU:  
ON

This setting will hide the name menu. A hidden name menu allows for quicker navigation and prevents accidental changes.

- **HIDDEN** - The name menu doesn't appear when cycling through the menu settings.
- **DISPLAYED** - The name menu will appear.

## Transmitter Name Set



NAME: 1234  
↑

The transmitter name menu allows the TRXCL3 to change the name from the default name - which is the unit's serial number. The name becomes part of the file name, and is included in the metadata of the BWF file. Naming the unit aids in identifying the files from several different recorders.

The maximum name length is 8 characters. Any letter or number can be used. If desired a space can even be used.

### To set/change the transmitter name

1. Press the INC or DEC key to change the character in the current position above the arrow.
2. Press the MENU key to proceed to the next character.
3. When finished, press and hold the MENU key to set the name.

## Media

While any size card will work in the TRXCL3 transmitter we recommend using a 4GB Micro SD card. We also recommend only buying a brand name card such as Transcend or SanDisk.

***Please note Transcend Premium cards with the red stripe are not recommended.***

And very importantly please buy all cards from a reputable dealer because counterfeit cards exist and can cause recording issues.

We also highly recommend that the all cards are tested before taking them out into the field.

Here is a simple testing procedure to determine if the card will function correctly:

1. Format the card in the transmitter.
2. Power cycle the transmitter.
3. Record at least 20 minutes of audio to the card with no time code source.
4. Look at the Main Screen it should still be recording in segment #1.
5. Playback and listen to the file.

## Media Capacity

The TRXCL3 can use Micro SD cards, up to 16 GB. While any size card will work we recommend using 4GB cards. Please note that regardless of the size of the card the onboard recorder will only be able to record up to 500 individual segments on any given card.

Available recording times will depend on the selected modulation and are as follows:

SD Card Size	Available Record Time Mono / Stereo	Available Record Time XR
512 MB	3 hours	6.75 hours
1 GB	6 hours	13.5 hours
2 GB	12 hours	27 hours
4 GB	24 hours	54 hours
8 GB	48 hours	108 hours
16 GB	96 hours	216 hours

Please note the transmitter will **NOT** record onto the card if:

- The card was not inserted before the TRX booted up.
- If the card was removed while the power was on.
- If LOW BATTERY is being displayed.

## Recording Format

The media card is formatted using a FAT32 file system. While recording, the unit places all recorded audio in a single file on the media. The files generated by the recorder (.zax format) can only be recognized by Zaxcom's ZaxConvert program. Using ZaxConvert will transfer the file to a Broadcast Wave or MP3 file. ZaxConvert is available to anyone for free from the Zaxcom website <http://www.zaxcom.com/firmware-updates>

## Firmware

Each unit is shipped with the latest firmware version installed. As newer firmware becomes available it can be downloaded from the Zaxcom website:

<http://www.zaxcom.com/firmware-updates>

Newer version of beta firmware may be found on the Zaxcom Forums:

<http://www.zaxcom.com/forum>

It is recommended to keep a copy of the "SNXXXX.ME" file for each transmitter. The SNXXXX.ME file contains the setup parameters of that specific transmitter - so in the event that there is a problem with the transmitter and the settings get corrupt the SNXXXX.ME file can be used to recreate the setting for that transmitter. To copy and save the SNXXXX.ME files simply format a card in each transmitter then copy and archive the SNXXXX.ME files to a computer.

### Updating the TRXCL3 firmware

1. Format a micro SD card in the transmitter.
2. Remove the card and with a computer delete the "SNXXXX.ME" file.
3. Download the CL firmware "CL-XXX.bin" from the Zaxcom website and copy it onto the formatted card.
4. Power down the TRXCL3 and insert the card into the transmitter.
5. Simultaneously hold down the INC and DEC keys while powering up the unit.
6. The screen will display "PRESS MENU TO BURN" with the version of firmware that will be loaded.
7. Press the MUNU key and the TRXCL3 will start burning the firmware.
8. From power up to "DONE" will take about 30 seconds.
9. Upon completion, cycle the power and confirm that the TRXCL3 is running the new firmware.

**WARNING:** During the update do not power down the unit during the update process, if the unit should lose power during the upgrade, it may need to be sent back to Zaxcom for repair.

### Updating ERX firmware with a TRXCL3 transmitter

1. From the ZaxNet menu set ZaxNet mode to transmit (TX).
2. Check that the ERX is set to the same ZaxNet frequency that the TRX is set to transmit on. Check that the GROUP ID is set the same in both the TRX and ERX, and make sure encryption is shut off.
3. Format a micro SD card in TRXCL3 transmitter.
4. Remove the card, and with a computer delete the "SNXXXX.ME" file.
5. Download the ERX firmware "ERX-XXX.bin" from the Zaxcom website and copy it onto the formatted card.
6. Insert the card into the transmitter.
7. Proceed to the SETUP MENU and select PRESS UP TO SEND ERX PROG FILE
8. From the firmware update menu on the ERX press the INC key 5 times to see WAITING FOR PROGRAM.
9. Press the INC key on the transmitter to trigger the update process.
10. The ERX should indicate its progress after a few seconds.
11. When the ERX has been updated the screen will display "SUCCESS".

**WARNING:** Before updating the firmware be sure to insert a fresh set of batteries and do not power down the unit during the update process, if the unit should lose power during the upgrade, it may need to be sent back to Zaxcom for repair.

## Updating QRX firmware with a TRXCL3 transmitter

1. Format a micro SD card in a TRXCL3 transmitter.
2. With a computer take the formatted card and perform the following:
  - Delete the "SNXXXX.ME" file from the card.
  - Download the new QRX firmware and load it into the card. (QR2-XXX.BIN)
3. Insert the card and a fresh set of batteries into the TRX transmitter.
4. At the QRX:
  - Verify the QRX is set to single mode and modulation is set to mono.
  - Verify encryption is off (ID1 and ID0 are both set to 000)
  - Set the UHF Frequency to the same frequency as the programming transmitter.
  - The QRX receiver status LEDs should both be green.
  - From the extended menu go to the firmware update page and press the INC key.
  - The screen will display waiting for program. This indicates the receiver is ready to download the new firmware. This can be done to several QRXs so they will be updated at the same time.
5. At the transmitter proceed to the setup menu proceed to the firmware update menu (see TRX manual) and press the INC key.
6. Each QRX should indicate it is receiving the program.
7. After the firmware send cycle, all of the receivers should be re-programmed and "SUCCESS . . . REBOOT NOW" will be displayed. If there was a reception error, the affected receiver will automatically restart the process with the start of the next send cycle.
8. Reboot the QRX and verify the QRX is running the new firmware version.

**WARNING:** After the QRX has received its entire program, it will erase and burn its firmware into the ROM. During this process, which only takes a few seconds, you **MUST NOT** turn 'OFF' the QRX. If the program is never fully received, it is safe to cycle the power.

## Wiring Configurations

### Balanced Line Level Analog In

Uses a Switchcraft TA5-F

Analog Audio Input	TA5 On the TRXCL3
Shared Ground	PIN 1
Left ( + )	PIN 2
Left ( - )	PIN 3
Right ( + )	PIN 4
Right ( - )	PIN 5

### AES Digital in

Uses a Switchcraft TA5-F

AES Input	TA5 On the TRXCL3
Ground	PIN 1
Signal	PIN 2
Signal	PIN 3
No Connection	PIN 4
No Connection	PIN 5

### Data in

Uses a Switchcraft TA5-F

Data In	TA5 On the TRXCL3
Ground	PIN 1
No Connection	PIN 2
Data for L	PIN 3
No Connection	PIN 4
Data for R	PIN 5

*If data is being inputted from one device data will be on pin 5 and pins 2 and 3 can be used to input audio - ground will be shared on pin 1*

**Audio Out**

Uses 3.5mm TRS

3.5 mm Audio Out		
SIGNAL	→	TIP
NO CONNECTION	→	RING
GROUND	→	SLEEVE

**12 Volt DC power**

Uses a Switchcraft 760K

DC Power In		
+	→	CENTER PIN
-	→	SLEEVE

## Operating Frequencies

### ZaxNet - Remote Control and Time Code

2.403 to 2.475 GHz

### UHF - Audio

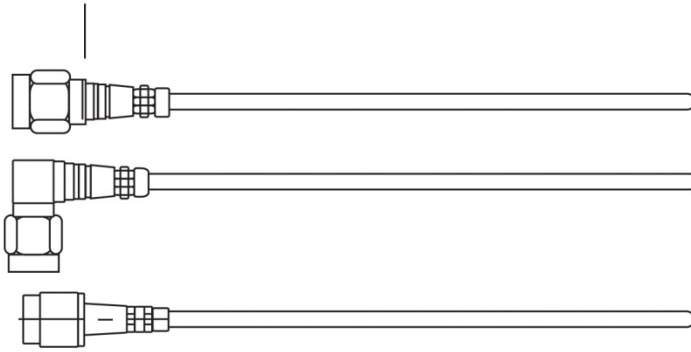
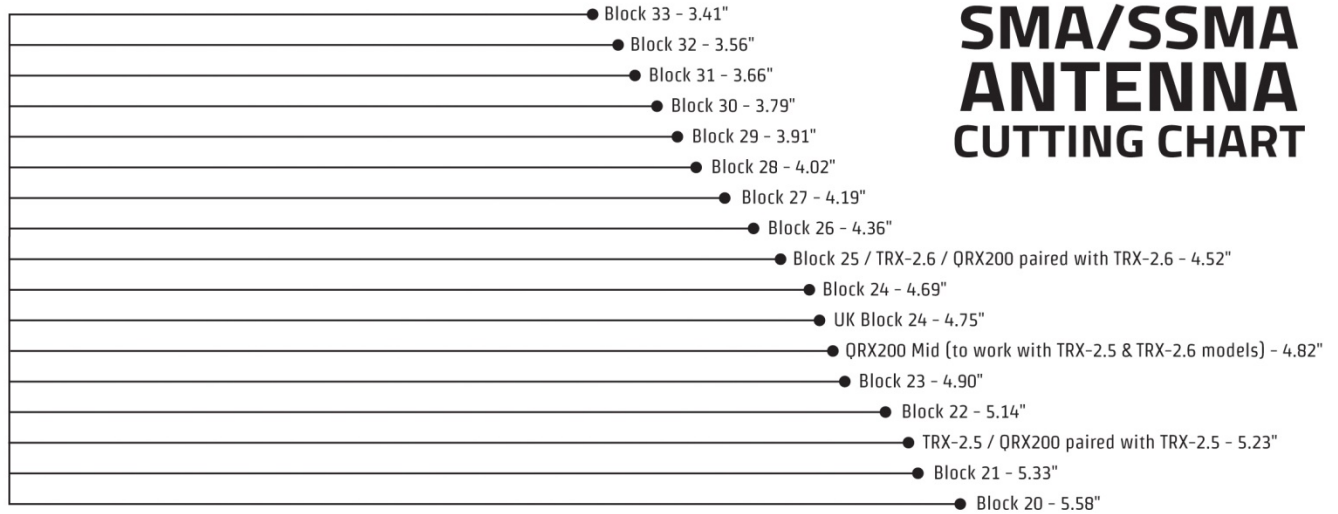
TRXCL3.5

512.0 MHz to 614.0 MHz (Blocks 20 through 23)

TRXCL3.6

596.0 MHz to 698.0 MHz (Blocks 23 through 26)

# SMA/SSMA ANTENNA CUTTING CHART

**ZAXCOM**[www.zaxcom.com](http://www.zaxcom.com)



## Product Support

**Register** your product with Zaxcom: <http://zaxcom.com/support/product-registration/>  
Download the latest **Firmware** from: <http://zaxcom.com/support/updates/>  
Download the latest **User Manuals** from: <http://zaxcom.com/support/updates/>  
**Submit Technical Questions** at: <http://www.zaxcom.com/submit-a-technical-question>  
Submit information for **Repair Services** at: <http://www.zaxcom.com/support/repairs>  
Join the **Zaxcom User Forum** at: <http://www.zaxcom.com/forum/forum.php>  
Join the **Zaxcom Face Book User Group** at: <https://www.facebook.com/groups/682199065139938/>

## Specifications

### Transmitter

Power output: 25 / 50 / 100mW – Firmware Selectable

RF Modulation: Proprietary Digital Method

RF Frequency Range: TRXCL3.5: 512 - 614 MHz

TRXCL3.6: 596 -698 MHz

Antenna Connector: 50  $\Omega$  SMA Female

Emission Designator: 180 KV2E

FCC Part: 75.861

### Transmitter Audio

Dynamic Range: 114 dB

Distortion: 0.002%

Frequency Response: Mode 0: 20 Hz to 16 kHz / T & M Mode 0.2 Hz to 16 kHz

System Group Delay: 3.5 ms

Analog Input Range: -10 to +4 dBu

Analog input type balanced line level

Audio input Impedance: 4.7 k  $\Omega$

ADC Bit-Depth: 24 Bits

ADC Sampling-Rate: 48 kHz

AES input Balanced with sample rate conversion

Sample rate range 32 Khz to 96 Khz

### Time code Reader/Generator

Clock Accuracy: 1.54PPM (1 Frame Out in 6 Hours)

Time code Type: SMPTE

Time code Frame Rates: 23.98, 24, 25, 29.97NDF, 29.97DF, 30NDF, 30DF

### Recording

Media: Micro SD Card (Flash Memory)

File Format: .ZAX

Recording Time: Up to 216 Hours (16 GB card)

### 2.4 GHz ZaxNet Receiver

RF Frequency Range: 2.403 to 2.475 GHz

RF Modulation: Digital Spread Spectrum

RF Frequency Step: 0.001 GHz (1 MHz)

RF Bandwidth: 1 MHz

Channel Separation: 2 MHz

Sensitivity: -96 dBm

### Physical / Power

Weight: 7.3 oz

Dimensions (H x W x D): 1"x 3.55" x 3.23"

Display: OLED

Power consumption: 2.13 watts

*All Specifications are subject to change without notice.*

# Zaxcom Warranty Policy and Limitations

Zaxcom Inc. values your business and always attempts to provide you with the very best service.

No limited warranty is provided by Zaxcom unless your TRX ("Product") was purchased from an authorized distributor or authorized reseller. Distributors may sell Product to resellers who then sell Product to end users. Please see below for warranty information or obtaining service. No warranty service is provided unless the Product is returned to Zaxcom Inc. or a Zaxcom dealer in the region where the Product was first shipped by Zaxcom.

## Warranty Policy

The Product carries a Standard Warranty Period of one (1) year.

**NOTE:** The warranty period commences from the date of delivery from the Zaxcom dealer or reseller to the end user.

There are no warranties which extend beyond the face of the Zaxcom limited warranty. Zaxcom disclaims all other warranties, express or implied, regarding the Product, including any implied warranties of merchantability, fitness for a particular purpose or non-infringement. In the United States, some laws do not allow the exclusion of the implied warranties.

## Troubleshooting & Repair Services

No Product should be returned to Zaxcom without first going through some basic troubleshooting steps with the dealer you purchased your gear from.

To return a product for repair service, go to the Zaxcom Repair Services page <http://www.zaxcom.com/repairs> and fill in your information; there is no need to call the factory for an RMA. Then send your item(s) securely packed (in the original packaging or a suitable substitute) to the address that was returned on the Repair Services page. Insure the package, as we cannot be held responsible for what the shipper does.

Zaxcom will return the warranty repaired item(s) via two-day delivery within the United States at their discretion. If overnight service is required, a FedEx or UPS account number must be provided to Zaxcom to cover the shipping charges.

\*Please note a great resource to troubleshoot your gear is the Zaxcom Forum: <http://www.zaxcom.com/forum>.

## Warranty Limitations

Zaxcom's limited warranty provides that, subject to the following limitations, each Product will be free from defects in material and workmanship and will conform to Zaxcom's specification for the particular Product.

### Limitation of Remedies

Your exclusive remedy for any defective Product is limited to the repair or replacement of the defective Product.

Zaxcom may elect which remedy or combination of remedies to provide in its sole discretion. Zaxcom shall have a reasonable time after determining that a defective Product exists to repair or replace a defective Product. Zaxcom's replacement Product under its limited warranty will be manufactured from new and serviceable used parts. Zaxcom's warranty applies to repaired or replaced Product for the balance of the applicable period of the original warranty or thirty days from the date of shipment of a repaired or replaced Product, whichever is longer.

### Limitation of Damages

Zaxcom's entire liability for any defective Product shall, in no event, exceed the purchase price for the defective Product. This limitation applies even if Zaxcom cannot or does not repair or replace any defective Product and your exclusive remedy fails of its essential purpose.

### No Consequential or Other Damages

Zaxcom has no liability for general, consequential, incidental or special damages. These include loss of recorded data, the cost of recovery of lost data, lost profits and the cost of the installation or removal of any Product, the installation of replacement Product, and any inspection, testing or redesign caused by any defect or by the repair or replacement of Product arising from a defect in any Product.

In the United States, some states do not allow exclusion or limitation of incidental or consequential damages, so the limitations above may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

## Your Use of the Product

Zaxcom will have no liability for any Product returned if Zaxcom determines that:

- The Product was stolen.
- The asserted defect:
  - Is not present,
  - Cannot reasonably be fixed because of damage occurring when the Product is in the possession of someone other than Zaxcom, or
  - Is attributable to misuse, improper installation, alteration, including removing or obliterating labels and opening or removing external covers (unless authorized to do so by Zaxcom or an authorized Service Center), accident or mishandling while in the possession of someone other than Zaxcom.
- The Product was not sold to you as new.

## Additional Limitations on Warranty

Zaxcom's warranty does not cover Product, which has been received improperly packaged, altered or physically abused.

## NOTICE:

Most users do not need a license to operate a wireless microphone system. Nevertheless, operating a microphone system without a license is subject to certain restrictions:

- the system may not cause harmful interference,
- it must operate at a low power level (not in excess of 50 milliwatts),
- it has no protection from interference received from any other device.

Purchasers should also be aware that the FCC is currently evaluating the use of wireless microphone systems, and these rules are subject to change. For more information, call the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone website at: [www.fcc.gov/cgb/wirelessmicrophones](http://www.fcc.gov/cgb/wirelessmicrophones). To operate wireless microphone systems transmitting with greater than 50mW of radiated power, you must qualify as a Part 74 user and be licensed.

This alert does **NOT** apply to Part 74 users

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

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

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

### RF Exposure:

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

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

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

This radio transmitter (contains the module PR6-XRT) and has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Quarter Wave Whip Antenna, 5.19dBi gain, 50 Ohms

Le présent émetteur radio (PR6-XRT) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Quarter Wave Whip Antenna, 5.19dBi gain, 50 Ohms

USA - FCC Part 74, FCC Identifier PR6XRT

Canada - Industry Canada RSS 210, IC:12755A-XRT

Zaxcom Digital Wireless are protected under following patent #'s:

4,327,066 / 7,711,443 / 7,929,902 / 8,385,814 / 8,878,708 / 8,842,854



## Declaration of Conformity

ZAXCOM, INC.  
230 West Parkway, Unit 9  
Pompton Plains, NJ 07444  
September 1, 2015

We certify and declare under our sole responsibility that the following product:

TRXLA3, TRXLT3, TRX743 and TRX900CL wireless microphone transmitters  
Restrictive use for residential, office and professional use only

Conforms with the essential requirements of the EMC Directive 2004/108/EC and  
R&TTE Directive 99/5/EC, based on the following specifications applied:

EN 300 422-2 v1.3.1 Radio Parameters  
EN 301 489-9 v1.4.1 Immunity  
EN 60950: 2006/A1:2011 Product Safety (low voltage directive)  
EN 50566: 2013 RF Exposure Safety

Our authorized representative in Europe is Mr. Roger Patel, Director of Everything  
Audio located at Elstree Film Studios, Shenley Road, Borehamwood, Herts WD61JG in  
England.

A handwritten signature in black ink, appearing to read "Glenn Sanders", is positioned above the printed name.

Glenn Sanders  
President  
Zaxcom, Inc.

Zaxcom, Inc.  
230 West Prkwy, Unit 9  
Pompton Plains, NJ  
07444 USA

zaxcom.com  
973.835.5000 (tel)  
973.835.6633 (fax)