

**EXHIBIT 5**

**USER MANUAL**

**FCC ID # NZWTXM12**

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**DIGI-FLASH**  
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# MINI~TX

16 Channel Transmitter

User's Manual

# Chase Mode

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### Playback a recorded chase

To playback a previously recorded chase press the "Chase" button and one of the eight chase buttons. If you have not recorded a chase pattern to the selected button a chase will not start. To try another button just press another button without pressing Chase button again. Pressing the Chase button again will escape you out of chase mode back into Normal Mode without changing previous toggled channels. Pressing Blackout turns off all channels and resets chase mode.

### Rate

When you have a programmed chase running you can change the Chase Rate by pressing and releasing the Toggle/Rate button. Holding down this button will not chase the rate, you must press and release to make a change. There are 10 steps of rate.

Chase Mode only applies to channels 1-8, however you can run chase from bank A or B. When starting a chase mode channels 9-16 (B) will not be affected. However to make changes in any of the 16 channels you must escape from chase mode.

To terminate a chase sequence without changing channels 9-16 press and release the Chase button

To terminate a chase and all other active channels press and release the Blackout button

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# NOTES:

## MINI~TX Transmitter

The MINI~TX transmitter was designed to operate several models of receivers. the MINI~TX is a code transmitter only and does not store chase or scenes. all operating modes described in this manual are performed in the circuit of the receiver.

MINI~TX design and documentation are copyrighted by JM Electronics Inc.

MINI~TX transmitter are regulated under FCC Part 15, any modifications made to the MINI~TX not expressly approved by the party responsible for compliance, may be in violation to the FCC Part 15 and could void the user's authority to operate the equipment.

Firmware developed by JM Electronics is proprietary to JM Electronics Inc. and is licensed not sold , and may not be duplicated in any way.

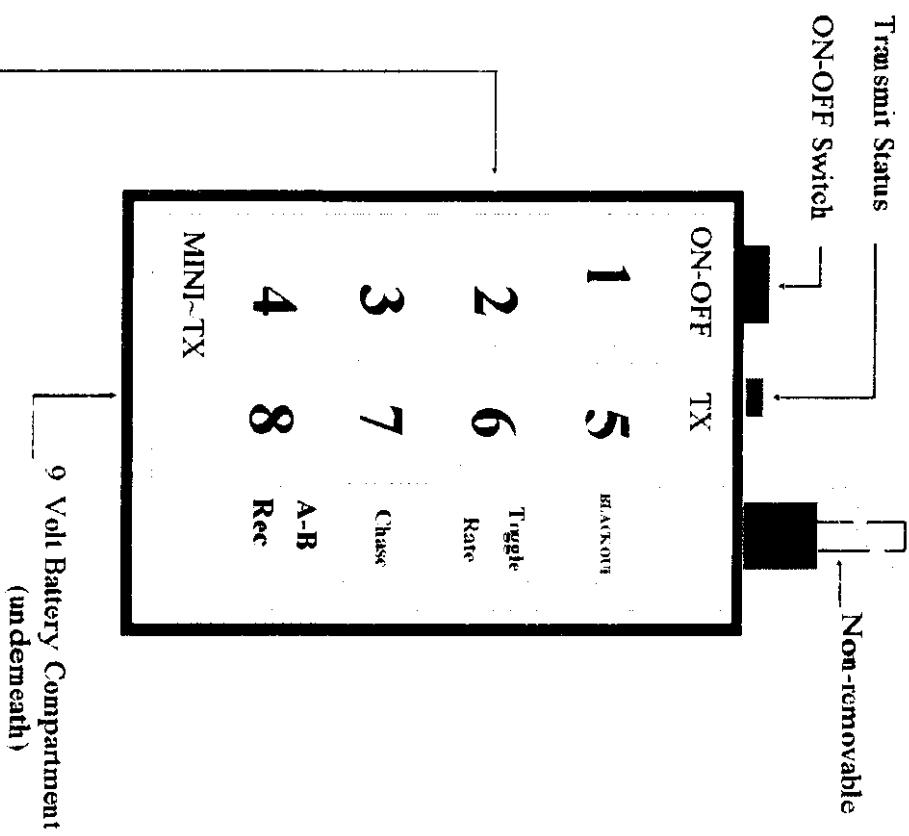
## Getting Started

### Overview

The MINI-TX keypad has 12 buttons to operate the receiver. to conserve space two of these buttons has two functions the Toggle/Rate and the Rec/A-B. These are set up so the lower text "Rate" and "Rec" are enabled while in chase mode. the others "Toggle" and "A-B" or enabled while in Normal mode. These buttons will be explained in more detail later.

### Definitions:

- 1** Numbered buttons 1 through 8 activate channels
- Black OUT** Blackout- Switches all channels 1-8 and 9-16 OFF
- Toggle** Toggle-Switches between **Momentary** and **push on-Push off**
- Rate** Rate-Set the chase rate in increments in the up direction
- Chase** Chase- Switches between **Normal** and **Chase** Mode
- A-B** A-B- Switches From channel A to B and back
- Rec** Rec-Initializes Record Chase mode



KEYPAD- See definition on previous page

## Momentary and Toggle Mode

### Status Led indicator

#### Turning Channels On and Off

Turn ON your MINI-TX transmitter, the status led will flicker on then off, this lets you know the transmitter has initialized. It is always a good practice to clear the receiver when initializing, this is done by pressing the **Blackout** button.

#### Toggle Mode

To activate a channel press and release one of the 8 Channel buttons, this will activate the corresponding channel. To activate another channel simply press another button, the previous channels will not be affected. To turn off those channels press and release the appropriate button and the channel will go off. note: only press one button at a time.

#### Blackout

resets all channels to off in this mode.

#### Momentary

Momentary is done the same way as Toggle mode except the channel being turned on are turned back off when the button is released. To enter into Momentary Mode press and release the "Toggle/Rate" button, this sends the code to the receiver to toggle all following channels until Toggle Rate button is pressed again. If you still have channels on from Toggle mode this action will momentary turn off those channels if the energized channel buttons are press.

#### Blackout

resets all channels to off in this mode.

#### Using A-B function

The MINI-TX has 16 selectable channels, these are channels 1-8 on the "A" function and 9-16 on the "B" function. Channels A and B can be toggled by pressing the "Rec/A-B" button. Switching from channel A to B will not change the previous channel status. However in **Chase Mode** only channels 1-8 (A) are affected. The A-B function is also available in momentary mode.

Blackout resets all channels to off in A or B mode.

Status led located at the top of the MINI-TX indicates the transmitter is enabled and the codes are being sent. This indicator will turn off after a second when button is released. If the led does not light or is dim this is an indication your battery is low or the MINI-TX has not been turned on. Check this by turning off the MINI-TX and then turning it back on. If the problem persists change the battery.

#### Antenna

The MINI-TX uses a 1/4 1/4 wave antenna, this is not a removable antenna. If your antenna is damaged and needs replacing contact DIGI-FLASH (407) 862-3363 for a replacement. Using an improper antenna can damage the transmitter and violate FCC regulations part 15.

#### Battery

The MINI-TX uses a 9 volt battery houses in the back panel. To replace, remove door by sliding door to the end of the housing while pressing firmly on the panel. To replace battery be sure unit is turned off. remove the old battery and attach the new one and replace panel. To get the optimum performance alkaline batteries are recommended.

The MINI-TX does not have a sleep mode so when not in use turn unit off to conserve power. The MINI-TX is designed to operate for 48 hours on a single battery. NOTE do not turn power off while button is being pressed, this will confuse the receiver.

## RF Requirements

MINI~TX operates on Radio Frequencies from 418 MHZ to 433 MHZ depending on the model you purchased, on the back label of the MINI~TX has the frequencies you will be transmitting on.

When operating more than one unit on the same frequency within a 500 feet you may encounter a reception problem, the MINI~TX only transmits while one of the 12 buttons is pressed. To avoid crossing over other units that may be used within the parameter never hold the button for long periods. Each set of transmitters and receivers is coded with a different address, in the event you are using the MINI~TX in the range of another unit, only your transmitter will operate your matched receiver. If you experience this problem frequently you may request a change in transmitter frequency, call DIGI-FLASH at (407) 862-3363 and explain your problem.

## Transmitter

Each of the MINI~TX transmitters are coded with a different address, these addresses are not changeable so you can be sure that no other transmitter can operate your receiver. However the receiver address can be changed to operate on any transmitter or can use multiple receivers on the same address. All the chase functions and patterns are stored in non-volatile memory in the receivers not the transmitter. If you are using a new receiver you will need to program the features you require.

The MINI~TX was designed to operate with a variety of receivers manufactured by DIGI-Flash so not all the buttons are used for every receiver, consult your receiver user's manual for operating instructions.

## Chase Mode

### Recording a Chase

To record a chase to one of eight chase selects first clear the receiver by pressing the blackout button.

1) Press and release the Chase button.

This activates the chase mode.

2) Press and release the Rec/A-B button.

This activates the chase Record mode.

3) Press the desired chase number to where you want to store the chase you are going to program.

4) Turn on the channels desired for the first step in 15 step sequence, you are in toggle mode so if you have turned on a channel you wish to have off just press that channel again and it will go off.

5) When you have made all choices for the first step press and release the "Rec/A-B" button, this will store your step, proceed to the next of 15 steps by repeating step 3-5. When you have completed your chase pattern press blackout to store and end chase Record.

NOTE: Only 15 steps can be programmed per chase select, when you have reached the end of record all other entries will be ignored.

Record chase patterns only apply to channels 1-8 (A).

\* You may also program a static scene by following steps 1-3 but only record one step.

All chase patterns are stored in non-volatile memory in the receiver so you won't loose you patterns when you change your batteries or turn off the MINI~TX.