



WPTX

WATERPROOF TRANSMITTER

USER MANUAL v.2

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DISCLAIMER

The manufacturer(s), distributor(s) and / or seller(s) accept no responsibility whatsoever for any damage, injury or loss, financial or otherwise, resulting directly or indirectly from the use, misuse, function or malfunction of this device. By purchasing and using this device you understand and accept this disclaimer.

SAFETY

Safety is the user's responsibility.

All pyrotechnic effect and firework safety guidelines should be followed completely.

DESCRIPTION

WPTX is an optional remote control transmitter for controlling the 20 Cue Standard (CH20S), 20 Cue Waterproof (CH20W) or 18 Cue Waterproof (CH18W) wireless firing systems. These systems are supplied with a handheld transmitter as standard. However some users demand the increased range, functionality and durability of the WPTX transmitter.

CHARGING THE SYSTEM

The Battery Status Light will only operate when the unit is switched ON. However the system will charge even when switched OFF.

Battery Status Light	Description
RED (flashing)	Battery Low.
RED (steady)	Battery Charging.
RED / GREEN (flashing)	Battery Almost Full.
GREEN (steady)	Battery Full.

Lead Acid Batteries naturally discharge over time. To keep the battery in good condition it is recommended the system is charged every 3 months.

Storing the system in extremely low or high temperatures will shorten the life of the battery.

PROGRAMMING A RECEIVER WITH THE TRANSMITTER

WARNING

Never program the receiver when another transmitter is transmitting. This may cause the receiver to be programmed with the wrong transmitter.

To clear previously stored transmitters from a receiver:

1. Put the receiver FUNCTION SELECTION switch to FIRE position.
2. Hold the receiver PROGRAM button until the program light goes out.

To program a receiver with a new transmitter:

1. Put receiver FUNCTION SELECTION switch to FIRE position.
2. Switch transmitter power ON.
3. Turn transmitter SAFETY KEY to ON.
4. Set transmitter RECEIVER SELECTION DIAL to desired position.
5. On the receiver, press and release the PROGRAM button.
6. **Within 4 seconds**, press CONFIRM and SEQUENCE, ALL or SINGLE on the transmitter so that the transmitter sends a signal.
7. The receiver program light blinks twice to indicate the receiver has been programmed.

The receiver has now been programmed with the transmitter. Please see the receiver instructions for further details.

BASIC TRANSMITTER OPERATION

Button	Description
RECEIVER SELECTION DIAL Position 1 – 11	Selects which receiver to fire. Program each receiver with the RECEIVER SELECTION DIAL in the position you wish to assign to the receiver. More than 1 receiver can be programmed with the RECEIVER SELECTION DIAL in each position. For example: Position 1 : Receiver A, B, C Position 2 : Receiver D Position 3 : Receiver E, F All receivers programmed with the same transmitter RECEIVER SELECTION DIAL position will fire at the same time. A receiver can be programmed with the RECEIVER SELECTION DIAL in 2 different positions. The receiver can be controlled in both these positions (see ADVANCED TRANSMITTER OPERATION).
RECEIVER SELECTION DIAL Position S	To have a sequence or step function roll from 1 receiver to the next. Each receiver must have an address set up. The receiver must be programmed with the transmitter RECEIVER SELECTION DIAL in the S position. This is the equivalent of having the handheld transmitter slide switch in position 4.
ALL BUTTON	The ALL button fires all the cues on the selected receiver.
STEP BUTTON	The STEP button fires the cues sequentially with each successive button press. The display will increment each time STEP is pressed. Holding STEP will not cause many cues to fire in sequence.
SEQUENCE BUTTON	The SEQUENCE button starts the sequencer on the receiver(s).
SINGLE BUTTON	Fires the cue number selected in the display.
CONFIRM BUTTON	The CONFIRM button and SEQUENCE, STEP, ALL or SINGLE are pressed to send a signal. This is a safety feature to prevent accidental use.
POWER SWITCH	Transmitter power ON / OFF
SAFETY KEY SWITCH	The SAFETY KEY must be switched to ON for the transmitter to send a signal.
STOP / CONT	Send a signal to stop or continue a sequence. Note: Only works with the 2009 and newer models of CH20S and CH20W receiver.
LED ON / OFF	Switch the Cue Display ON / OFF.
UP	Increase the cue number.
DOWN	Decrease the cue number.
Timer ON / OFF	Switch the Total Time Display ON / OFF.

ADVANCED TRANSMITTER OPERATION

A receiver can store more than 1 transmitter or be programmed with more than 1 position on the RECEIVER SELECTION DIAL. This allows some cues on a receiver to be controlled individually and some cues to be controlled simultaneously with other cues on other receivers.

EXAMPLE 1:

Use 2 receivers and 1 WPTX transmitter.

You want to fire cues 1 – 10 on 2 receivers simultaneously and then fire the remaining cues individually.

Receiver A is programmed with the transmitter RECEIVER SELECTION DIAL in position 1 **and** position 3.

Receiver B is programmed with the transmitter RECEIVER SELECTION DIAL in position 2 **and** position 3.

With the RECEIVER SELECTION DIAL in position 3 cues will fire on Receiver A and Receiver B simultaneously.

With the RECEIVER SELECTION DIAL in position 1 cues will fire on Receiver A only.

With the RECEIVER SELECTION DIAL in position 2 cues will fire on Receiver B only.

EXAMPLE 2:

Use 5 receivers and 1 WPTX transmitter.

You want to have a sequence run across 3 receivers and then you want to fire cues manually both simultaneously and individually on 2 more receivers.

Receiver A is set up with Address 1 and a sequence time delay. It is programmed with the RECEIVER SELECTION DIAL in position S.

Receiver B is set up with Address 2 and a sequence time delay. It is programmed with the RECEIVER SELECTION DIAL in position S.

Receiver C is set up with Address 3 and a sequence time delay. It is programmed with the RECEIVER SELECTION DIAL in position S.

Note: All receivers in a sequencer run must have the same time delay.

Receiver D is programmed with the RECEIVER SELECTION DIAL in position 1 **and** position 3.

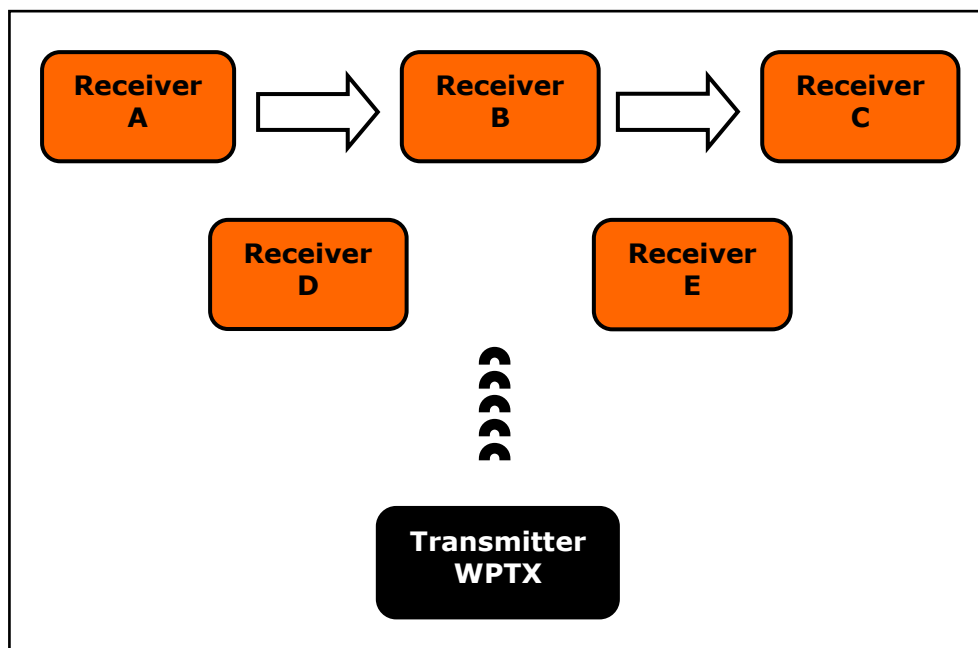
Receiver E is programmed with the RECEIVER SELECTION DIAL in position 2 **and** position 3.

To start the sequencer put the RECEIVER SELECTION DIAL in position S and press SEQUENCE and CONFIRM together. The sequencer will run across Receivers A, B and C in the order of Address 1, 2 and 3.

To fire cues on Receiver D and Receiver E simultaneously the RECEIVER SELECTION DIAL is set to position 3 and any cues are fired.

To fire cues on Receiver D the RECEIVER SELECTION DIAL is set to position 1 and cues are fired.

To fire cues on Receiver E the RECEIVER SELECTION DIAL is set to position 2 and cues are fired.



Example 2