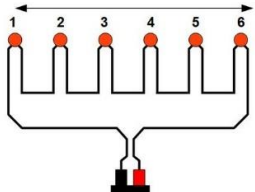
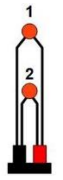



Follow the steps below to use the firing system. Guide assumes the use of TX1 Handheld Remote Control and Release 2 Firmware.

<p>1 - Insert batteries</p> <p>RX1 Module - remove 2 screws from terminal end of unit. Remove end plate. Insert 1 x 9V battery and reassemble.</p> <p>RX6 Module - remove all 4 screws from terminal end of unit. Remove 2 upper screws from antenna end of unit. Remove terminal end panel. Slide cover down away from antenna. Install 2 x 9V batteries <u>pushing in and down</u>. Remove batteries by <u>levering up and out</u>.</p> <p>RX18 Module - Use a key or coin to lever battery drawers up and out. Replace batteries. Observe polarity of batteries. Insert battery drawers by pushing in and pulling down until they gently click into place.</p> <p>TX1 Remote - Remove red rubber boot around remote. Remove battery cover. Install 2 x AA batteries.</p> <p>Note - Only use good quality <u>disposable 9V LITHIUM batteries</u> for the firing modules. <u>Do not use</u> "heavy duty", "Zinc Chloride" or unbranded batteries. Branded Alkaline batteries can be used, but performance is not guaranteed.</p>	<p>2 - Bond remote & module</p> <p>This only needs to be done once.</p> <p>You can do this again to change which Channel / Cue combination the module is set to.</p> <p>Switch on remote by holding power button for several seconds. Remote will display currently selected channel (C1, C2 etc) then go to home screen showing currently selected Cue (01, 02, 12 etc).</p> <p>Switch on module by sliding power switch (RX1, RX6 module) or turning key (RX18 module) to ARM.</p> <p><u>Press and hold</u> bond button on module for 5 seconds until bond light is coloured orange. Release bond button.</p> <p>Set desired channel on remote by tapping POWER button and using UP and DN arrows to set channel C1 ... C9. Tap POWER button again to return. The default channel is C1 unless changed by user.</p> <p>Set desired cue using UP and DN arrows.</p> <p>Tap FIRE button. The module bond light will go out. The middle light on the remote will illuminate.</p> <p>The module has now been set to only respond to that Channel and Cue combination e.g. Channel 1, Cue 1.</p>	<p>3 - Check continuity on module</p> <p>Connect igniters to firing system. Ensure bare igniter wires do not touch each other. This will create short circuits and cause problems.</p> <p>Ensure module power switch (RX1, RX6) or key (RX18) is set to TEST.</p> <p>Ensure firing area is clear. <u>Always</u> treat any pyrotechnic connected to a firing system as dangerous. <u>Always</u> assume it will fire when doing a continuity test.</p> <p>Lights on module will illuminate if there is good continuity. Once good continuity is confirmed, switch module OFF until ready to use.</p>
<p>4 - Check continuity on remote</p> <p>Middle light on remote shows if module is in range, and if there is good continuity on selected cue.</p> <p>Note - Middle light on remote only shows continuity / signal information when remote is not ARMED. You can flip in and out of ARM mode to check continuity / signal at any time by pressing ARM button.</p> <p>MIDDLE LIGHT OFF - Module not bonded to this channel & cue combination OR module out of range.</p> <p>MIDDLE LIGHT SOLID RED - module in range, but bad continuity on this cue!</p> <p>MIDDLE LIGHT SOLID GREEN - module in range & good continuity on this cue. Let's fire!</p> <p>The system updates the middle light every 1 second. If the light flickers on and off there is some interference on the frequency or module is at limit of range. However you will find that the module will reliably fire some distance beyond the point where the light is flickering. However, we recommend siting the module to achieve a solid light.</p>	<p>5 - Fire a cue</p> <p>Ensure module power switch (RX1, RX6) or key (RX18) is set to ARM.</p> <p>Ensure batteries are OK (3 flashes on battery light).</p> <p>Set desired channel on remote (see section #2 for instruction).</p> <p>Set desired cue on remote using UP and DN arrows.</p> <p>Press ARM button.</p> <p>Right hand light on remote will illuminate red. Middle light on remote will go out. Status light on module will be solid red.</p> <p>SYSTEM IS NOW READY TO FIRE!</p> <p><u>Press and hold</u> FIRE button until visual confirmation that effect has fired. Holding FIRE button will transmit many fire commands to ensure effect is fired.</p> <p><u>Release FIRE button</u> to advance to the next cue. FIRE button can now be pressed again ... cues can be stepped through 1 by 1 quickly.</p> <p>UP and DN arrows can be used to go back / forward to any cue at any time.</p>	<p>6 - Fire a sequence</p> <p>The remote can rapidly fire cues with a set time delay between then.</p> <p><u>Before</u> ARMing remote, tap SEQ button.</p> <p>Display will flash the current time delay. 05 = 50ms, 10 = 100ms, 15 = 150ms, 1.5 = 1.5s etc).</p> <p>Set the desired time delay using the UP and DN arrows. Tap SEQ button again to return to home screen.</p> <p>Press ARM button. Right hand light on remote will illuminate red.</p> <p>Set desired starting cue using UP and DN arrows.</p> <p><u>Press and hold</u> SEQ button, then while continuing to do this, <u>press and hold</u> FIRE button. The remote will rapidly fire cues until the FIRE or SEQ button is released.</p> <p>Tip - ensure you press and hold SEQ button first and then press and hold FIRE button so both SEQ and FIRE are held together.</p>

Some useful background information is below.

<p>Clear the bonding on module</p> <p>Press and hold the BOND button on the module for 15s. The bond light will illuminate after 5s and then extinguish after 15s. The module has now been reset and will need to be re-bonded to the remote control (see section #2).</p>	<p>How many igniters can I fire?</p> <p>The exact number of igniters will depend on the wire length and charge of the batteries. The guide below is a good rule of thumb.</p> <p>Talon clip on igniters - Max 6 per cue in parallel. <u>Never connect Talons igniters in series.</u></p> <p>E-Match igniters - Max 8 per cue in series. Max 5 per cue in parallel.</p> <p>Series connection</p>  <p>Parallel connection</p> 	<p>Battery level?</p> <p>All modules and remotes will flash the battery level every few seconds.</p> <p>3 flash - Battery good. 2 flash - Battery OK. Change battery soon. 1 flash - Change battery immediately.</p> <p>We <u>always recommend using disposable LITHIUM batteries</u> in firing modules for several reasons.</p> <ol style="list-style-type: none"> 1. High current for firing igniters 2. Excellent low temperature performance. 3. Very low self-discharge, long storage life. 4. Much less likely to leak.  <p><u>Use disposable LITHIUM batteries whenever possible.</u></p> <p><u>Do not use alkaline, "heavy duty" or unbranded batteries.</u></p> <p><u>Do not use rechargeable batteries.</u></p>
<p>Module error codes</p> <p>Any FireStorm firing module will self-test for problems when it is switched on. If the status light on the module is flashing, or there is a cue light flashing, it could indicate a problem. Please refer to our Troubleshooting Guide for more information.</p> <p>In most cases, <u>simply switching the module off and on again will clear the error.</u> If it does not, do not use the module. Contact us for support.</p>	<p>My module won't bond to remote</p> <p>If the module and remote will not bond, check the following.</p> <ol style="list-style-type: none"> 1. Module switch / key set to ARM? 2. Battery in module and remote OK? (3 flashes). 3. Remote DISARMED? (top right light OFF). 4. Antenna connected to remote and module? 5. Remote and module in range? (preferably next to each other). 6. Only bond 1 module at a time. 	<p>No link light on remote</p> <p>If the middle light on the TX1 handheld remote control is OFF, check the following.</p> <ol style="list-style-type: none"> 1. Is the correct channel and cue selected? 2. Is the <u>module</u> switched to ARM and in range? 3. Are there multiple modules on the same channel and cue? (2 way communication can be interrupted in this case. The modules will still fire as normal). 4. Is the <u>remote</u> DISARMED? (top right light is OFF). Tap the ARM button to switch between ARM and DISARM mode. There is no 2 way communication when the remote is armed.

Out of hours support call Andrew on +44 (0)7940 397871