

Array TouchFire™ ALL 144 Cues, Expandable, Programmable Addressing Electrical Firing System

ATF144 "Everything" you need: ATF3 24VDC Pushbutton - Toggle Switch firing panel w/microprocessor controlled SmartCharger \$799

- 12 **ADF AddressedTerminalFire** programmable high impact polystyrene, 12 cue, diode protected PyroSpringPost slats @ \$99 ea. \$1188
- 11 **CA025** water resistant cables, multistranded 22 gauge, 25 ft each (one between each of 12 PyroSpring Slats) \$69 ea. \$759
- 2 **CA050** water resistant cables, 22 gauge 50 ft each with 1 gender changer (F - F) to convert to one 100 foot cable @ \$89 ea. + \$5 \$183
- 12 **SSS** shorting safety shunts \$5 ea. \$60
- 1 **YSPL** Y splitter box / cable (M - F/F) & gender changer (F - F) (enables splitting to any direction or distance anywhere within the system) \$49
- 1 **MAPL** Gooseneck map light accessory for lighting on the **Array Touch Fire III** \$39
- 1 **TRCS** transport case for 12 **AddressedTerminalFire** slats. Aluminum valance & edges, steel hardware & corners, foam lined \$349

ONE TERRIFIC VALUE! *compared to the price of other systems which are not nearly as complete or as versatile as ours* ~~\$3426~~

YOU SAVE 15+% (\$527) ON THIS **COMPLETE SYSTEM** **NOW ONLY \$2899**

On a tight budget? Exclude the TRCS slat transport case and save another \$300 **NOW ONLY \$2599**

Tighter budget? "The economy slat card 144 cue system" (see below) **NOW ONLY \$2199**
 Includes: ATF3, 24VDC & Smartcharger, 12 ADF-E III, 2 50' or 1 100' & 11 25' cables, 12 SSS, 2 GENFF, MAPL

Tightest budget? "1/2 the cables by piggybacking cards" 144 cues (see below) **NOW ONLY \$1899**
 Includes: ATF3, 24VDC & Smartcharger, 12 ADF-E III, 1 50' & 5 10' cables, 6 SSS, 1 GENFF, MAPL

* All slats, cards and cables can be used **unmodified** with our **Automated Timed Fire™** Digital Computer Firing System

Expansion options at discounted pricing levels for quantities as follows

ATF12 TwelvePack Expansion

- 12 **ADF AddressedTerminalFire** programmable high impact polystyrene, 12 cue, diode protected PyroSpringPost slats @ \$99 ea. \$1188
- 12 **CA025** water resistant cables, multistranded 22 gauge, 25 ft each (one between each of 12 PyroSpring Slats) @ \$69 ea. \$828
- 12 **SSS** shorting safety shunts \$5 ea. \$60

~~\$2076~~
ONLY \$1849

Save 10+% (\$227)

ATF6 SixPack Expansion

- 6 **ADF AddressedTerminalFire** programmable high impact polystyrene, 12 cue, diode protected PyroSpringPost slats @ \$99 ea. \$594
- 6 **CA025** water resistant cables, multistranded 22 gauge, 25 ft each (one between each of 6 PyroSpring Slats) @ \$69 ea. \$414
- 6 **SSS** shorting safety shunts \$5 ea. \$30

~~\$1038~~
ONLY \$929

Save 10+% (\$109)

ATF6 ADF-E III SixPack Expansion (Economy Piggybackable Slat Cards)

- 6 **ADF-III AddressedTerminalFire** jumper select addressable programmable, 12 cue, diode protected PyroSpringPost Piggybackable slat cards \$414
- 3 **CA010** water resistant cables, multistranded 22 gauge, 10 ft each (one between each of 12 Piggybacked PyroSpring Slat cards) @ \$39 ea. \$117
- 3 **SSS** shorting safety shunts \$5 ea. \$15

~~\$546~~
ONLY \$499

Save 8+% (\$47)

* All slats, cards and cables can be used **unmodified** with our **Automated Timed Fire™** Digital Computer Firing System

Integrated Accessories, Mini Expandable Firing Systems & Supplies:

- ATF3 ArrayTouchFire III**, 24VDC Array matrix pushbutton firing panel, w/**MAPL** Gooseneck light \$799
- ALT AlteredTouchFire** pushbutton mini firing panel. Utilizes **AddressTerminalFire** slats & cables priced below for 12 to 48 cues \$129
- ADD AddedToggleFire** toggle switch mini firing panel. Utilizes **AddressTerminalFire** slats & cables priced below for 12 to 48 cues \$129
- BSK Basic Starter Kit** 12 cue mini firing system: includes (1) CA050; (1) ADF; (1) SSS; (1)PCA or PCC; Choice of (1) ALT or ADD \$329
- ADF AddressedTerminalFire** programmable high impact polystyrene, 12 cue, diode protected PyroSpringPost slat \$99
- ADF-E III AddressedTerminalFire** jumper select addressable programmable, 12 cue, diode protected PyroSpringPost Piggybackable slat card \$69
- TRCS** Transport Case for up to 12 **AddressedTerminalFire** slats. Aluminum valance & edges, steel hardware & corners, foam lined \$349
- YSPL** Y Splitter. Use anywhere in the system to branch out signal/power for cues to other areas \$49
- PCAA** 12VDC Bridged power cable. For connecting **Array3** firing panel to optional external 12VDC batteries for 36 & 48 volt operation \$29
- PCA** 12VDC Power cable. For connecting our mini firing units **Altered, or Added** to a battery (alligator clips) \$29
- PCC** 12VDC Power cable. For connecting our mini firing units **Altered, or Added** to a battery (cig. lighter plug) \$29
- TST AlwaysTestFirst** Mini Circuit Continuity Analyzer (plug it in out in the field and test for 12 open circuits per slat at a glance, or tests cables) \$49
- TST2 ArrayTestFixture** Mini Circuit Continuity Analyzer (plug in out in field to test a full 144 cues at the push of a button) \$189
- BNK4** BANK switchbox. Expands **ArrayTouchFire** to 576 cues & mini systems to 48 cues at the turn of a dial (extra slats and cables required) \$29
- MAPL** Gooseneck light accessory (for lighting on the **Array Touch Fire III** or the **Automated Timed Fire** CIM) \$39
- GENFF** Gender changer Female to Female (connecting two cables together) \$5
- SSS** Shorting Safety Shunt \$5
- CA010** Water resistant cables, 22 gauge 10 feet multistranded \$39
- CA025** Water resistant cables, 22 gauge 25 feet multistranded \$69
- CA050** Water resistant cables, 22 gauge 50 feet multistranded \$89
- CA100** Water resistant cables, 22 gauge 100 feet multistranded \$149

Automated Timed Fire™ - Digital Computer Firing System - See price sheet on reverse side

- DEPENDABLE - CUSTOMER SATISFACTION GUARANTEED - SHOP AND COMPARE PRICES - WHY PAY MORE -

Compared prices for 624 cues; This **ATF** system=\$10846, Brand **P**=\$19500, Brand **FO**=\$25000, Brand **PD**=\$26000

ATF156-E Complete 156 Cue Starter System Package using Piggybackable economy type addressable slat cards

| | |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1 CIM Computer Interface Module, includes charger, pickle type deadman switch, Comm port cable & gooseneck lamp | \$895.00 |
| 1 M156 Module, 12 cues on the module, 2 ports to connect up to 144 additional cues via ADF-E III slat cards below | \$795.00 |
| 1 XLR100 4 conductor XLR cable 100 foot Male, Male | \$89.00 |
| 4 XLRTERM Terminating resistors for empty XLR jacks at the end of runs and on empty XLR jacks on CIM | \$40.00 |
| 12 ADF-E III Piggybacked Addressable slat cards (24 cues per firing position via piggybacking 2 cards per location) | \$828.00 |
| 6 CA025 Water resistant cables, 22 gauge 25 feet multistranded – Between 6 24 cues positions of Piggybacked slat card pairs | \$414.00 |
| 6 SSS Shorting Safety Shunts | \$30.00 |
| 1 Affordable Timed Fire™ Firing software license agreement | \$495.00 |
| | -\$3586.00 |
| | \$3399.00 |

You save \$187 on this Complete Starter Package *That's \$21.79 per cue for your first 156 cues*

ATF156RAIL Complete 156 Cue Starter System Package using rail type addressable slats

| | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1 CIM Computer Interface Module, includes charger, pickle type deadman switch, Comm port cable & gooseneck lamp | \$895.00 |
| 1 M156 Module, 12 cues on the module, 2 ports to connect up to 144 additional cues via ADF below | \$795.00 |
| 1 XLR100 4 conductor XLR cable 100 foot Male, Male | \$89.00 |
| 4 XLRTERM Terminating resistors for empty XLR jacks at the end of runs and on empty XLR jacks on CIM | \$40.00 |
| 12 ADF AddressedTerminalFire programmable rail slats, 12 cues per rail | \$1188.00 |
| 12 CA025 Water resistant cables, 22 gauge 25 feet multistranded | \$828.00 |
| 12 SSS Shorting Safety Shunts | \$60.00 |
| 1 Affordable Timed Fire™ Firing software license agreement | \$495.00 |
| | -\$4390.00 |
| | \$4199.00 |

You save \$191 on this Complete Starter Package *That's \$26.92 per cue for your first 156 cues*

ATF32 Complete 32 Cue Starter System Package (no slat boxes or rails required)

| | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1 CIM Computer Interface Module, includes charger, pickle type deadman switch, Comm port cable & gooseneck lamp | \$895.00 |
| 1 M32 Module, 32 cues on the module | \$695.00 |
| 1 XLR100 4 conductor XLR cable 100 foot Male, Male | \$89.00 |
| 4 XLRTERM Terminating resistors for empty XLR jacks at the end of runs and on empty XLR jacks on CIM | \$40.00 |
| 1 Affordable Timed Fire™ Firing software license agreement | \$495.00 |
| | -\$2214.00 |
| | \$2099.00 |

You save \$112 on this Complete Starter Package *That's \$65.59 per cue for your first 32 cues including software*

ADD156-E Each Additional 156 cue Add on package using Piggybackable economy type addressable slat cards

| | |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 1 M156 Module, 12 cues on the module, 2 ports to connect up to 144 additional cues via ADF-E III slat cards below | \$795.00 |
| 1 XLR025 4 conductor XLR cable 25 foot Male, Male | \$39.00 |
| 12 ADF-E III Piggybacked Addressable slat cards (24 cues per firing position via piggybacking 2 cards per location) | \$828.00 |
| 6 CA025 Water resistant cables, 22 gauge 25 feet multistranded – Between 6 24 cues positions of Piggybacked slat card pairs | \$414.00 |
| 6 SSS Shorting Safety Shunts | \$30.00 |
| | -\$2106.00 |
| | \$1999.00 |

You save \$107 on each 156 Cue Add on Package *That's \$12.81 per cue for each additional cue*

ADD156RAIL Each Additional 156 cue Add on package using rail type addressable slats

| | |
|-------------------------------------------------------------------------------------------------------------|-----------------------|
| 1 M156 Module, 12 cues on the module with 2 ports to connect up to 144 additional cues via ADF below | \$795.00 |
| 1 XLR025 4 conductor XLR cable 25 foot Male, Male | \$39.00 |
| 12 ADF AddressedTerminalFire programmable rail slats, 12 cues per rail | \$1188.00 |
| 12 CA025 Water resistant cables, 22 gauge 25 feet multistranded | \$828.00 |
| 12 SSS Shorting Safety Shunts | \$60.00 |
| | -\$2910.00 |
| | \$2749.00 |

You save \$161 on each 156 Cue Add on Package *That's \$17.62 per cue for each additional cue*

ADD32 Each Additional 32 cue Add on package (no slat boxes or rails required)

| | |
|----------------------------------------------------------|-----------------|
| 1 M132 Module, 32 cues on the module | \$695.00 |
| 1 XLR025 4 conductor XLR cable 25 foot Male, Male | \$39.00 |
| <i>That's \$22.94 per cue for each additional cue</i> | \$734.00 |

Individual items and accessories

| | |
|--------------------------------------------------------------------------------------------------------------------------|----------|
| CIM Computer Interface Module, pickle type deadman switch, Comm port cable & gooseneck lamp | \$895.00 |
| M156 Module, 12 cues on the module, 2 ports to connect up to 144 additional cues via ADF or QCADF slats | \$795.00 |
| M32 Module, 32 cues on the module (no slat boxes or rails required) | \$695.00 |
| ATFSS Arrange The Fireworks™ Choreography, Scripting, Layout, Cue Generation Software | \$995.00 |
| SMARTCHARGER 12VDC, Charges any component including the 24VDC modules | \$59.00 |
| XLRGENFF 4 conductor XLR Female to Female adapter (for connecting two XLR type cable lengths together) | \$29.00 |
| XLRTERM Terminating resistor for empty XLR jacks at the end of all runs and on empty XLR jacks on CIM | \$10.00 |
| TRCS Transport case to carry up to 8 units (CIM, M156, M32 or QCADF) or 12 ADF rail type addressable slats | \$349.00 |
| XLR025 4 conductor XLR cable 25 foot Male, Male | \$39.00 |
| XLR050 4 conductor XLR cable 50 foot Male, Male | \$59.00 |
| XLR100 4 conductor XLR cable 100 foot Male, Male | \$89.00 |
| XLR200 4 conductor XLR cable 200 foot Male, Male | \$129.00 |
| XLR500 4 conductor XLR cable 500 foot Male, Male | \$269.00 |
| XLRxxx 4 conductor cable XLR custom length \$.50 per foot plus \$29 for 2 Male connectors | |

ATF Mortars

Anchor The Fuse™ Wedge In & Strain Relief

With **GUARANTEED** Lowest Prices*

* **ATF** will match the lowest advertised price of any comparable mortar offered by any U.S. manufacturer within 30 days of your purchase from us.

HDPE Plugged & cross grain, zinc plate bolted, through complete assembly (no flimsy screws that rust from the salts, then later break)

- All plugs are cut .015" to .070" oversized and are hydraulically press fitted through a .375" depth chamfer in the bottom in the pipe
- All plugs are kiln dried wood, cross grain bolted (3"=1/4" bolt, 4"=5/16" bolt, 5"=5/16" bolt, 6"=3/8" bolt, 8"=3/8" bolt, 10" & 12" = 3"x1/2" Lags)
- When more than one plug is used in a mortar the grains are installed at 90 degree angles to each other and waterproof glued, then pressed. These bolts reinforce the plugs like rebar in concrete. Fastener are; ZB=zinc plated bolts, ZLB=zinc plated lag bolts, CS=crown staples

| Quantity | 1.75"x12" | 2.5"x17" | 3"x20" | 4"x24" | 5"x30" | 6"x34" | 8"x48" | 10"x53" | 12"x60" |
|------------|-----------|----------|----------|----------|----------|----------|------------|---------|----------|
| Plugs | One 1.5" | One 1.5" | One 1.5" | One 1.5" | Two 1.5" | Two 1.5" | Three 1.5" | One 6" | One 8" |
| * Fastener | 4 CS | 6 CS | 1 ZB | 1 ZB | 2 ZB | 2 ZB | 3 ZB | 8 ZLB | 10 ZLB |
| 1-10 | \$3.55 | \$5.30 | \$5.85 | \$7.95 | \$13.95 | \$20.95 | \$39.00 | \$65.00 | \$105.00 |
| 11-50 | \$3.45 | \$5.20 | \$5.75 | \$7.85 | \$13.75 | \$20.75 | \$37.00 | \$64.00 | \$103.00 |
| 50-200 | \$3.35 | \$4.95 | \$5.65 | \$7.75 | \$13.55 | \$20.55 | \$36.00 | \$63.00 | \$101.00 |
| 200+ | \$3.25 | \$4.85 | \$5.55 | \$7.65 | \$13.35 | \$20.35 | \$35.00 | \$62.00 | \$99.00 |

- Special length cuts available upon request with larger run minimum orders.
- All mortars lengths may measure + - 1/4" than stated. This is due to irregularities in raw products.
- Shipping computed on phone orders
- **The finest HDPE mortars built in the USA**

Anchor The Fuse™

3 inch Mortar with ATF notch



Premium Quality Fiberglass Reinforced Epoxy Mortars

- Tough
- Lightweight
- Color coded sizes

| | | | | | | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 1.875x13.7" | 2x14.25" | 2.5x15.75" | 3x17.70" | 4x21.65" | 5x31.50" | 6x35.50" | 8x43.20" | 10x60" | 12x60" |
| \$1.95 | \$2.45 | \$2.95 | \$3.95 | \$5.95 | \$8.95 | \$12.95 | \$23.95 | \$49.95 | \$59.95 |

Quantity discounts: 200 = 5%, 300 = 6%, 400 = 7%, 500 = 8%, 600 = 9%, 700 = 10%



Adaptive TiltFire™ Loaded Mortar Racks

(add \$1 per HDPE mortar per notch) Aluminum¹: Wood²

please designate Aluminum or Wood (??); ??=AL ??=WD

| | | |
|-----------------------------------------------|-------|------|
| LR3(??) 3" (10 FRE mortars) 48" length | \$165 | \$69 |
| LR4(??) 4" (8 FRE mortars) 48" length | \$175 | \$79 |
| LR5(??) 5" (6 FRE mortars) 48" length | \$179 | \$89 |
| LR6(??) 6" (5 FRE mortars) 48" length | \$189 | \$99 |

1. All Aluminum racks are designed with crush zones. Tilting bars are integral on these units. Stacking plate hardware is optional. See details in our full catalog.
2. Wood racks have custom dimensional lumber bottom and end boards with exterior plywood sideboards. All vital joints are weatherproof glued and screwed.

AngleTiltFixture™ & AccessoryTiltFasteners™

Individually Priced Parts (below) Kits Priced (right)

| | |
|----------------------------------------------------------------------------------|------|
| ATFR Adaptive Tilt Fire AL ^{*1} . Rack (any size 3", 4", 5", 6") | \$99 |
| ¹ As shown in photo above less mortars & HDPE banding rings | |
| TLB Tilting bar with bolts, aluminum, each | \$12 |
| ASC Adjustable slotted side channel aluminum | \$21 |
| ALC Aluminum bottom crossmember | \$34 |
| PES Perforated end supports, aluminum, each | \$45 |
| ASP Adjustable aluminum stacking plates (set of 4) | \$10 |
| LPN "L" pins/dozen (4 LPN free with each ATFR) | \$12 |
| CLP clips for "L" pins/dozen (4 LPN free with each ATFR) | \$2 |
| MBR HDPE banding rings 2.5=24,3=20,4=16,5=12,6=10 | \$30 |
| WDC Wood 2" x 4" predrilled bottom crossmember | \$15 |
| HMB HDPE mortar matrix boxes (per pair, see web site) | \$49 |
| ASMBAL Assembly of aluminum rack by ATF (each) | \$25 |

Mortar Rack Support Tilting / Fanning Hardware Kits & Accessories

Kits to Tilt/Fan Your Existing TLTKTW or our Aluminum Racks TLTKTA

TLTKTW prepares 3 wood racks for tilt/fan shots
Each TLTKTW kit includes (2) PES; (6) TLB; (1) LPN; (1) CLP

TLTKTA prepares 3 aluminum racks for tilt/fan shots
Each TLTKTA kit includes (2) PES; (1) LPN; (1) CLP

| Complete kit(s) | Quantity Pricing each: | | | | |
|-----------------|------------------------|-------|-------|-------|-------|
| | Qty:1 | 2-5 | 6-11 | 12-23 | 24+ |
| TLTKTW | \$179 | \$169 | \$164 | \$159 | \$154 |
| TLTKTA | \$99 | \$97 | \$95 | \$92 | \$89 |

Mortar Caps (tapered) per 100

| |
|---------------------|
| MC3 3" \$40 |
| MC4 4" \$50 |
| MC5 5" \$65 |
| MC6 6" \$85 |
| MC8 8" \$165 |

These are HDPE red reusable covers