

ArrayTouchFire™ 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 case slat style 144 cue system" (see below) **NOW ONLY \$2399**

Includes: ATF3, 24VDC & Smartcharger, 3 QCADF, 2 CA050 & 5 CA025 cables, 6 SSS, 2 GENFF, MAPL

Tightest budget? "Beginner 1/2 System" 72 cues (see below) **NOW ONLY \$1999**

Includes: ATF3, 24VDC & Smartcharger, 1 QCADF, 2 ADF, 2 50' & 3 25" cables, 4 SSS, 1 GENFF, MAPL

* All slats 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

Save 10+% (\$227) **ONLY \$1849**

- 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

Save 10+% (\$109) **ONLY \$929**

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

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

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
- QCADF** Quad Case **AddressedTerminalFire** programmable high impact polystyrene case, four - 12 cue, diode protected PyroSpringPost slats \$399
- ADF AddressedTerminalFire** programmable high impact polystyrene, 12 cue, diode protected PyroSpringPost slat \$99
- 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
- ATS 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
- PSP** 1½" flat head machine screw, 3 nuts, 1 spring cup, one 3lb spring. Qty (24 per package): 1 \$15.00, 2-6 \$14.00 ea, 7-12, \$13.00 ea, 13-48 \$12.00 ea, 49+ \$11.00 ea.

PyroSpringsPost – all parts are stainless steel, reliable, durable and the simplest connectors for electric match leads, pioneered then **improved** by **ATF**;

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

ATF156CASE Complete 156 Cue Starter System Package using take-apart case type addressable slot boxes

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 QCADF 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
3 QCADF Quad Case AddressedTerminalFire programmable slot take-apart case boxes (24 cues per lid 24 cues per bottom)	\$1197.00
6 CA025 Water resistant cables, 22 gauge 25 feet multistranded	\$414.00
6 SSS Shorting Safety Shunts	\$30.00
1 Affordable Timed Fire™ Firing software license agreement	\$495.00
	-\$3955.00
	\$3799.00

You save \$156 on this Complete Starter Package *That's \$24.35 per cue for your first 156 cues including software*

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 including software*

ATF32 Complete 32 Cue Starter System Package (no slot 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*

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*

ADD156CASE Each Additional 156 cue Add on package using take-apart case type addressable slot boxes

1 M156 Module, 12 cues on the module with 2 ports to connect up to 144 additional cues via QCADF below	\$795.00
1 XLR025 4 conductor XLR cable 25 foot Male, Male	\$39.00
3 QCADF Quad Case AddressedTerminalFire programmable slot take-apart case boxes (24 cues per lid 24 cues per bottom)	\$1197.00
6 CA025 Water resistant cables, 22 gauge 25 feet multistranded	\$414.00
6 SSS Shorting Safety Shunts	\$30.00
	-\$2475.00
	\$2349.00

You save \$126 on each 156 Cue Add on Package *That's \$15.05 per cue for each additional cue*

ADD32 Each Additional 32 cue Add on package (no slot 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 slot 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 Tilt Fire™ 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	\$138	\$69
LR4(??) 4" (8 FRE mortars) 48" length	\$146	\$79
LR5(??) 5" (6 FRE mortars) 48" length	\$152	\$89
LR6(??) 6" (5 FRE mortars) 48" length	\$163	\$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.

Angle Tilt Fixture™ & Accessory Tilt Fasteners™

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	} These are HDPE red reusable covers
MC4 4" \$50	
MC5 5" \$65	
MC6 6" \$85	
MC8 8" \$165	