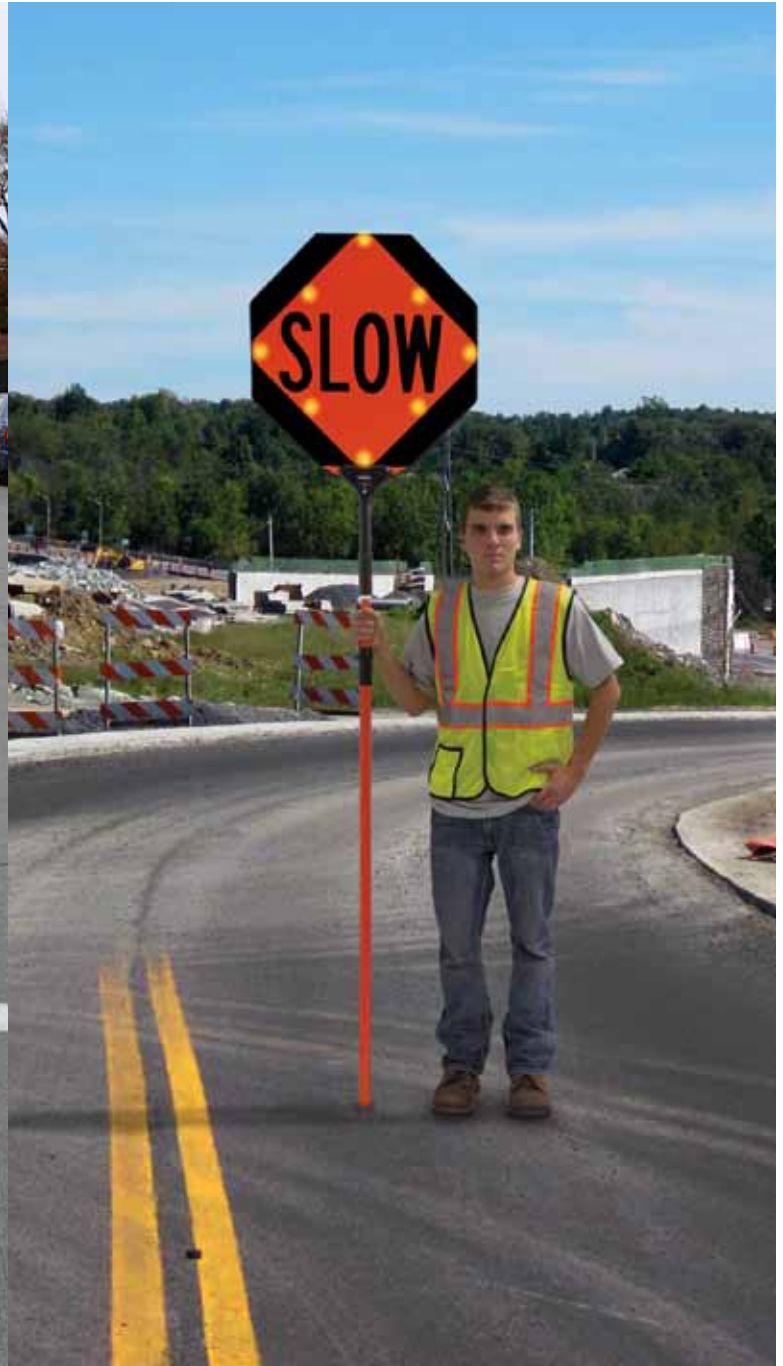


BlinkerPaddle[®] LED Paddles
STOP/STOP, STOP/SLOW and Custom Legends
User Guide





LEGAL USE; INSTRUCTIONS; WARNING, CAUTION AND NOTES

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These instructions are for guidance only. Please read and fully understand them before proceeding. Flagging procedures should comply with Federal, State and/or local Municipal regulations.



WARNING, CAUTION AND NOTE STATEMENTS

Warning, Caution and Note statements are used throughout this guide to emphasize important and critical information. Read these statements prior to assembly to help ensure safety and to prevent product damage. The statements are defined below.

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTE: Used to notify you about information on installation, operation, programming or maintenance that is important but not hazard-related.

For Technical Support

- Phone 866-753-6255
- Email blinkertech@tapconet.com



USE OF THIS GUIDE; PRODUCT RECORD

Thank you for your purchase of TAPCO-made products!

Your BlinkerPaddle® Flashing LED Paddle from TAPCO represents the latest technology in the field of LED-enhanced traffic control, and is designed to provide you with years of trouble-free service.

Please take a few moments to fill out the supplied warranty card and then fax or mail it. If lost, contact TAPCO for a replacement card.

Please keep your portion of the card in a safe place for future reference.



PARTS LIST

WARNING

BATTERY USAGE WARNING: DO NOT MIX BATTERY TYPES! Chargers are designed to charge **ONLY** rechargeable NiMH batteries! Charging any other battery type could cause a fire or explosion, resulting in damage, injury and death. Charge **ONLY** NiMH batteries according to the instructions provided herein.

NOTE: Please examine all parts before assembly and installation. Contact TAPCO immediately if anything is missing or damaged.

Included Parts

BlinkerPaddle® LED Paddle
(3) AA NiMH Batteries
110VAC Wall Charger
12VDC Car Charger
Warranty Card



Optional Accessories

4-piece Staff
Telescoping Staff
Cordura® Nylon Carrying Bag
Portable Base
Extra NiMH Batteries
AC & DC Chargers

Cordura® Nylon Carrying Bag

Two zippered compartments hold one or two Paddles or other gear. Ten velcro pockets for two 4-piece PVC staffs and accessories.

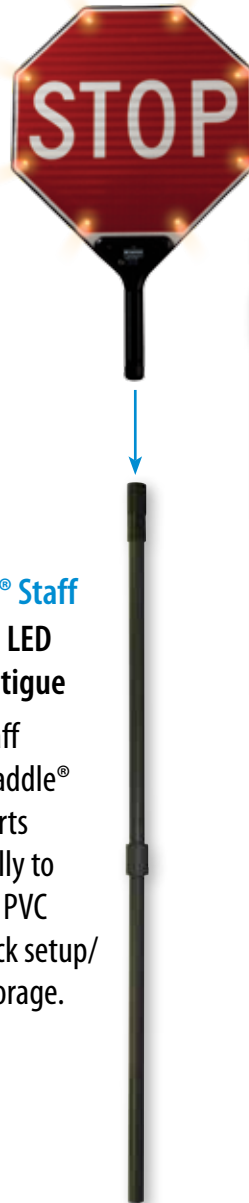
18" size, 1.5 lbs. (2563-4)
24" size, 2.0 lbs. (2563-12)



4-pc. Gray BlinkerPaddle® Staff Supports BlinkerPaddle® LED Paddles, reducing arm fatigue

This 60", four piece PVC staff includes a plastic BlinkerPaddle® handle adapter and supports the BlinkerPaddle® vertically to minimize arm fatigue. The PVC tubes are threaded for quick setup/takedown and compact storage.

2.25 lbs. (2563-3)



Telescoping BlinkerPaddle® Staff

Allows the user to hold BlinkerPaddle® vertically at adjustable heights

This two-piece adjustable orange fiberglass staff features a threaded compression coupler that releases or locks the staff to adjust to desired height between 54" and 84". Includes a BlinkerPaddle® handle adapter and a durable rubber foot.

2.25 lbs. (2512-1)



Extra Batteries and Chargers

NiMH AA Battery, .125 lbs. (2619-1)
110V Wall Charger, 1 lb. (2582-1)
12V Car Charger*, 1 lb. (2563-6)
*Requires Ext. cord, .5 lb. (2563-11)

Portable Base

Rubber base holds staff upright and allows for staff/paddle rotation. With molded-in handles for easy transport.

37.5 lbs. (1636-1370)





BLINKERPADDLE® CHARGING AND STORING PROCEDURES

WARNING

BATTERY USAGE WARNING: DO NOT MIX BATTERY TYPES! Chargers are designed to charge **ONLY** rechargeable NiMH batteries! Charging any other battery type could cause a fire or explosion, resulting in damage, injury and death. Charge **ONLY** NiMH batteries according to the instructions provided herein.

NOTE: Your batteries must be fully charged PRIOR TO operating. The BlinkerPaddle® will not function at peak performance levels unless the batteries are fully charged. Prior to charging, make sure that all three batteries are properly aligned in the same direction, positive (male) end in first.

Your new BlinkerPaddle® includes (See Figure 1):

- One 110VAC wall charger
- One 12VDC car charger
- Three AA NiMH batteries

- Prior to the initial use, **FIRST** check the batteries inside the handle by unscrewing the handle's cap, shown in Figure 2. Unless all three batteries are NiMH, **DO NOT CHARGE THEM**. Other AA batteries may be used, but are **NOT** to be charged. **DO NOT MIX BATTERY TYPES**. Read and heed the warning in red, above.
- Insert three new or charged batteries with the positive (male) end in first. See Figure 3. Screw the cap on tightly. See Figure 2. If using **RECHARGEABLE** batteries, plug the appropriate charger into the handle, then charge the NiMH batteries fully with BlinkerPaddle® turned off, for about 8 hours. Failure to charge fully before initial use will reduce the effective life of the NiMH batteries. When fully charged, unplug the charger. The BlinkerPaddle® is now ready for a full day's use.
- When not using your BlinkerPaddle®, switch it Off. If storing it for an extended period of time, remove the batteries.
- If the BlinkerPaddle® will not flash for an entire day, the batteries need replacing. Dispose of old batteries and unit in compliance with your local ordinances.



Figure 1

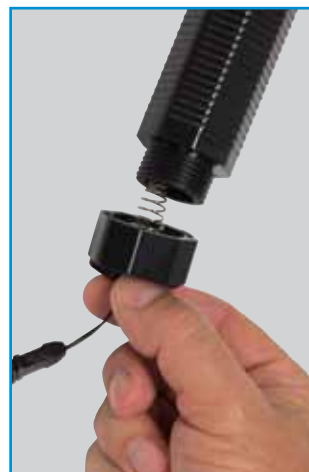


Figure 2

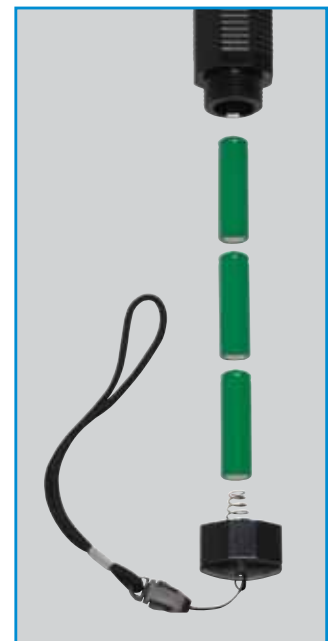


Figure 3



BlinkerPaddle® LED Paddles

Flashing LED Paddles deliver a bright warning to protect children & crossing guards!

Brilliant Technology

TAPCO's BlinkerSign® technology is incorporated into our BlinkerPaddle®. Eight super-bright LEDs on each face flash a warning in unison, dramatically increasing the paddle's conspicuity.

Federally Compliant

TAPCO's BlinkerPaddle® LED paddles conform to MUTCD specifications. The LEDs match the sign's background color and shape, allowing drivers to react sooner. The LEDs flash in unison, 59 times per minute. BlinkerPaddle® LED paddles will flash their warning all day long, and they are especially effective during low light conditions and in rain, fog and snow.

Light-weight design reduces arm & wrist stress

The 18" BlinkerPaddle® weighs less than two pounds, and the 24" model weighs less than 3½ pounds. A conveniently placed thumb switch allows you to turn on or off easily and instantly. A gravity switch allows you to simply lower the BlinkerPaddle® to turn it off, then raise it to turn it on again, saving effort and prolonging battery life.

GSA Contract Holder
GS-07F-5924R
GS-07F-0234U



Features:

- Will operate up to 20 hours continuously on three charged AA batteries
- Both 18" and 24" sizes are available with any message (legend) and grade of reflective sheeting
- Optional carrying bag holds 2 paddles and all accessories including two 5-foot staffs
- Gravity Switch automatically turns off lowered paddle



BlinkerPaddle® STOP/STOP Paddles have a STOP legend on both faces. Other legends and colors are available upon request. Our most popular models are listed below.

Item #	Sign Legend*	Sign Face	Sheeting Type
2180-301	STOP/STOP	18"	High Intensity Prismatic (HIP)
2180-302	STOP/STOP	18"	Diamond Grade Cubed (DG ³)
2180-384	STOP/STOP	24"	High Intensity Prismatic (HIP)
2180-380	STOP/STOP	24"	Diamond Grade Cubed (DG ³)

*BlinkerPaddle® paddles are available in STOP/SLOW configuration, as well as other legends.



BLINKERPADDLE® STOP/SLOW PADDLES



BlinkerPaddle® STOP/SLOW Paddles have a STOP legend on one face and a SLOW legend on the other. The orange SLOW background is MUTCD compliant. Other legends and colors are available upon request. Popular models are listed below.

Item #	Sign Legend	Face	Sheeting Color* and Type
2180-322	STOP/SLOW*	18"	Red/Orange High Intensity Prismatic (HIP)
2180-321	STOP/SLOW*	18"	Red/Fluorescent Orange Diamond Grade Cubed (DG ³)
2180-383	STOP/SLOW*	24"	Red/Orange High Intensity Prismatic (HIP)
2180-350	STOP/SLOW*	24"	Red/Fluorescent Orange Diamond Grade Cubed (DG ³)
2180-360	STOP/SLOW†	24"	Ontario, CAN: Red/Yellow† Diamond Grade Cubed (DG ³)

*Orange SLOW face is the FHWA's MUTCD compliant color.

†Yellow SLOW face is used in Ontario, Canada.

BlinkerPaddle® paddles are available in STOP/STOP configuration, as well as other legends.

BlinkerPaddle® LED Paddles are also available in custom colors and legends (choose your desired wording/symbol). Call for details.

**Patents #6,943,698; #6,693,556
Other Patents Pending.**



BLINKERPADDLE® OPERATION MODES

Your BlinkerPaddle® Flashing LED Paddle Switch, shown at right, controls the LED operation of both sides (faces) of the paddle independently, to alert traffic in one or both directions. It is designed to activate the BlinkerPaddle® LEDs when held upright.

With BlinkerPaddle® held UPRIGHT, press (click) and release the switch to cycle to the desired mode of operation:

Mode 1: Face B (LEDs on opposite face of switch) ON

Mode 2: Face A (LEDs on same face of switch) ON

Mode 3: Both Faces ON

Mode 4: LEDs OFF

Keep in Mode 4 when not in use.

This will prevent unwanted flashing and battery discharge.

SWITCH



MODE 1



MODE 2



MODE 3



BLINKERPADDLE® TIPS AND TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
LED Array Doesn't Flash	Paddle is not held upright, or switch is not ON	Lift BlinkerPaddle® face above handle. Press and release switch to activate Modes, as explained above.
	Batteries are not fully charged, or will no longer hold a charge (replace with new batteries)	Charge batteries for 8 hours: Re-test in BlinkerPaddle® or test with a voltmeter, 1.2VDC. If not holding a charge, replace with new, fully charged TAPCO battery. Dispose of old battery per local code.
	Batteries are not inserted in proper direction	Place batteries into handle positive (male) end first, then replace cap and screw in snugly. Refer to page 4 for instructions.
	Loose connections or broken switch or wires	Contact TAPCO or distributor for replacement part(s) or RMA.
Individual LED(s) Don't Flash	Loose wiring	Contact TAPCO or TAPCO distributor for replacement part(s), or repair authorization (TAPCO RMA required).
	Inoperative LED(s)	



- **Technical Support Line: 866-753-6255 or 262-649-5137**
- **Technical Support Email: blinkertech@tapconet.com**

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US Patent Nos 6,943,698; 6,693,556; Other Patents Pending.

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Document: BPADD_guide_121012; Reference 10120303

