SKIP-LINE®

BY SPEC-RITE®

The Skip-Line®

SC-12 Road Marking Vehicle
CONTROL SYSTEM

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SC-12 Road Marking Vehicle
CONTROL SYSTEM

the most advanced skip timer on the market

INTEGRATION

Optionally integrate nearly any peripheral truck function to create a single, networked electronic system for the entire striping truck.

- *Hydraulic Pressures*
- *Pneumatic Pressures*
- *Temperature Controls*
- *Application Rates*
- *Work Lights*
- *Cameras*
    (and much more!)

SIMPLIFICATION

Using one integrated system means that the entire crew can learn all aspects of the operation. The SC-12 provides an intuitive interface, reducing the need for specialized training.

- *Shared Roles for Personnel Flexibility*
- *Fewer Auxiliary Systems*
- *Reduced Operator Load*
- *Increased Efficiency*
- *Familiar Look & Feel*
- *Reduced Training*

FEATURING:
THE NEXT GENERATION OF ROAD MARKING TECHNOLOGY

high-current driver outputs eliminate the need for relays

integrated monitoring of material usage and application rates

driver output indicator lights simplify diagnostics

troubleshooting assistance with error reporting and help documentation

reduced wiring with point-of-load driver boxes

integrated DLS (data logging system) for cost-effective, easy-to-use logging

improved diagnostics and device detection

remote support and software updates via USB upload

datum offset for more accurate delays and bead registration

device location flexibility with a network wiring approach

CONFIGURATION

Straightforward menus and shared configuration between devices make setup easier than ever before. A large LCD display clearly conveys system messages and parameters.

- *Calibration Walkthrough*
- *Quick Pattern Changes*
- *Pattern Preview*
- *Easy-to-Navigate Menus*
- *Simplified Configuration Interface*

DIAGNOSTICS

Built-in diagnostic and troubleshooting features minimize vehicle downtime and maximize productivity. Every output device has a status indicator, which makes isolating an issue easy.

- *Device Detection*
- *Error Screens*
- *Driver Output Diagnostic Indicators*
- *Point-of-Load Driver Boxes*
- *Glass Cockpit Diagnostics Interface*

FULL-COLOR DISPLAY

Main

Paint
Stripe: 10.0'
Cycle: 40.0'
Beads
Extend: 0.0'
Offset: 0.0'
Odometer: 2799 ft

8.2 mph

12.1 mils 15.6 mils

Index: Paint
Beads On | Mid Off

A SUPERIOR OPERATOR EXPERIENCE

VIEW THE MOST RELEVANT STRIPING INFORMATION WITH A GLANCE

Pattern Preview
View a pattern before it's applied for a confident, error-free setup.

Application Rates
Monitor material application rates right on the main screen.

Status Indicators
View important messages and system statuses without entering submenus.

Setup

Gun Setup
Gun Colors | Gun Widths | Paint Gun Offsets ▶

Left Gun #1: ◀ Yellow ▶
Left Gun #2: ◀ Yellow ▶
Left Gun #3: ◀ White ▶
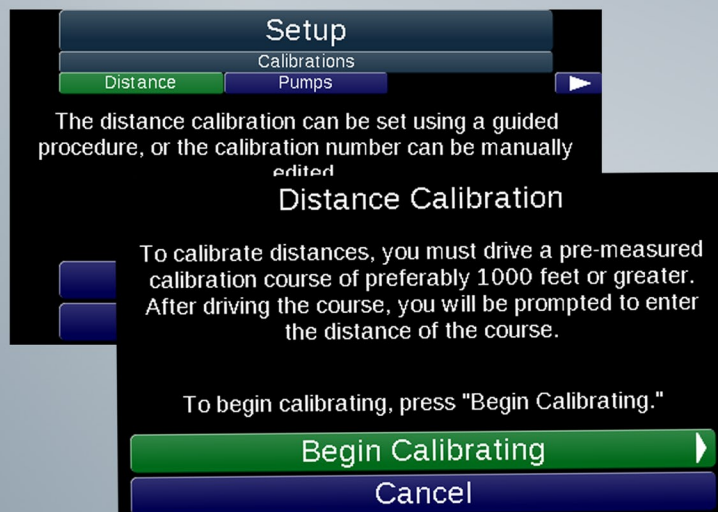Left Gun #4: ◀ Black ▶

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Intuitive Setup
Modify patterns, gun setup, time & distance delays, and more with a few touches. Road marking has never been more intuitive - making it easier than ever to train new crew members.
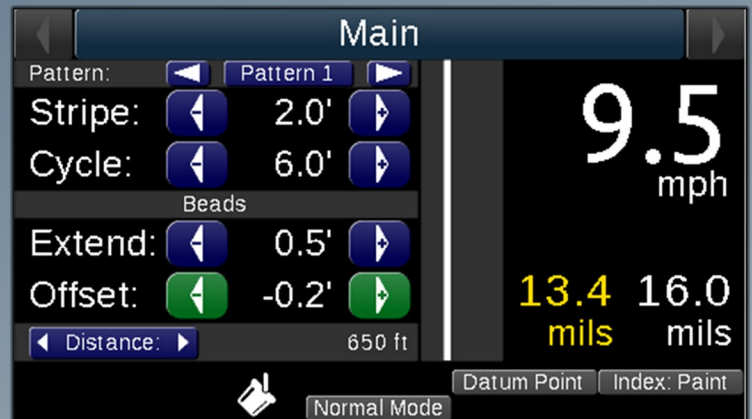
Calibration Assistance
Reduce calibration time and error with guided calibration processes. You'll find assistance with distance, pump, and delay calibrations on the SC-12 Control System.

Setup

Calibrations
Distance | Pumps ▶

The distance calibration can be set using a guided procedure, or the calibration number can be manually edited

Distance Calibration

To calibrate distances, you must drive a pre-measured calibration course of preferably 1000 feet or greater. After driving the course, you will be prompted to enter the distance of the course.

To begin calibrating, press "Begin Calibrating."

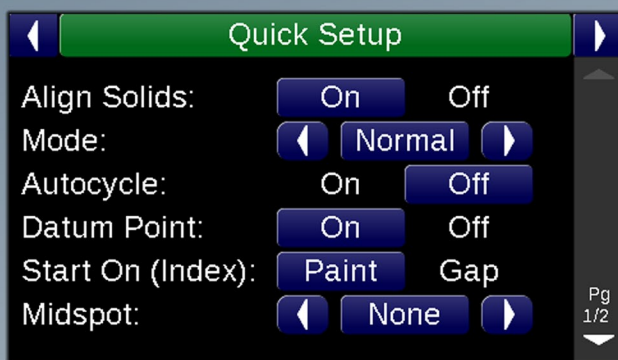**Begin Calibrating** ▶

Cancel

Main Screen

The main screen displays key operating information in a manner that is quickly understood with a brief look, so operators can focus more on the striping operation.

In addition to instant or average application rates, the main screen clearly displays vehicle speed, active striping features, and an invaluable pattern preview. Adjust cycle settings and bead registration from the main screen as well.

Main		
Pattern: ◀ Pattern 1 ▶		9.5 mph
Stripe: ◀ 2.0' ▶		
Cycle: ◀ 6.0' ▶		
Beads		
Extend: ◀ 0.5' ▶		13.4 mils 16.0 mils
Offset: ◀ -0.2' ▶		
◀ Distance: ▶ 650 ft		
Normal Mode	Datum Point	Index: Paint

Quick Setup

The quick setup menu contains configuration options that are most commonly changed on the fly. With a click of a joystick or a push of a button, an operator can access these principal settings.

Quick Setup	
Align Solids:	On Off
Mode:	◀ Normal ▶
Autocycle:	On Off
Datum Point:	On Off
Start On (Index):	Paint Gap
Midspot:	◀ None ▶

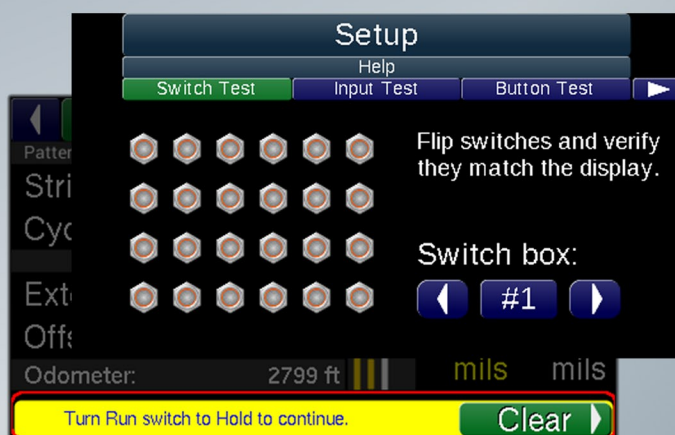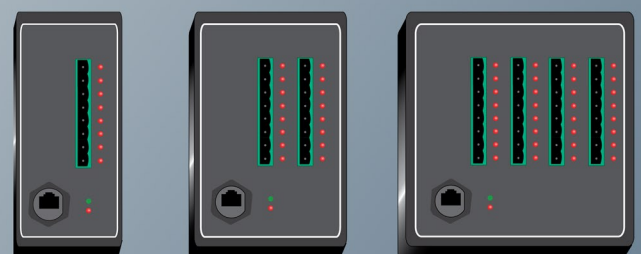Pg 1/2

Dynamic Counter Channels

Track simple metrics such as distances and paint usage with built-in counter channels.

Counter channels are added dynamically based on the number of guns, gun widths, and gun colors.

Counter Channels			
Left Guns	Right Guns	Left Trip	▶
	Solid	Skip	
#1 (4.0"):	36438'	336'	
#1 (8.0"):	200'	0'	
#2 (4.0"):	260'	9424'	
#2 (4.0"):	0'	58'	
#3 (4.0"):	361'	6100'	
#4 (4.0"):	106'	8'	
#4 (4.0"):	166'	5765'	Pg 1/1

Diagnostics

The SC-12 Control System was designed with diagnostics in mind. Reduce troubleshooting and pinpoint the issue with tools like menu alerts, switch test diagnostics, and individual output LEDs on every output box.

Setup	
Help	
Switch Test	Input Test	Button Test	▶

Flip switches and verify they match the display.

Switch box:

◀ #1 ▶

Odometer: 2799 ft

Turn Run switch to Hold to continue.   Clear ▶

PACKAGE GUIDE

PLEASE CONTACT YOUR PREFERRED DISTRIBUTOR FOR PRICING.

FEATURE PACKAGE	DEVICE	DESCRIPTION
BASE SYSTEM Provides the same functionality as our legacy skip-timer product lines, but includes these distinct advantages:	SC-12 MASTER (2x) SC-12 CORE SKIPPER BUS-012 HUB (2x) CDRV-LO16 (2x) OR CDRV-LO32 (1x)	*See previous pages for more info* *16 low-side (GND) driver outputs per unit* *32 low-side (GND) driver outputs per unit*
Full-Color Display — In-Field Software Updates Pattern Preview — Expansion Flexibility Guided Calibration — Improved Diagnostics Internal Pulse Multiplier — Lifetime Pump Totals		
BASIC TIMER FEATURES *(STANDARD)* Switch and menu features that come standard with a base SC-12 Control System. Menu features are very intuitive and quickly accessible with the new full-color display. Navigate the menu with rugged, sealed push buttons.	PAINT OR SPACE INDEX 5 GUN SWITCHES (PER SIDE) CARRIAGE SWITCH WITHHOLD SWITCH ALT SWITCH MID-DOT DATUM POINT BEAD SWITCH ADVANCE/RETARD AUTOCYCLE TIME/DISTANCE DELAYS DYNAMIC COUNTERS PATTERN ALIGNMENT	*Start pattern on skip or gap* *Five material guns per carriage* *Carriage Up/Down* *Maintain pattern over bridges/intersections* *On-the-fly access to 3 alternate patterns* *Single mid dot between skips* *Allows more accurate bead registration* *Bead On/Off/Auto switch* *Advance or retract pattern on rework* *Adapts stripe and cycle to match old work* *Material/bead delay adjustments for speed* *Counts distance and material usage*
CUSTOM TIMER FEATURES *(OPTIONAL)* Special switch and menu features that can be added to a base SC-12 System. Pricing per vehicle. *Many additional features and patterns are available.*	TANDEM PAINT TANDEM BEADS BLACK PATTERNS AIRPORT PATTERNS REFLECTIVE MARKER LAYOUT	*Second gun activates at speed threshold* *Dual Drop beads (switch or speed threshold)* *Contrast and Shadow Black pattern sets* *Taxi, Zipper, and Mixed Black patterns* *Reflective Marker/Multiple Mid-Dot Layout*
ACCESSORIES		
GUN RAISERS Control gun raisers using additional SC-12 Master switches. Eliminate relays with H-Bridge output boxes.	GUN RAISER SWITCHES CDRV-HB8 CDRV-HB16	*Raise and lower material guns* *Raise and lower up to 4 guns (per carriage)* *Raise and lower up to 8 guns (per carriage)*
AUXILIARY OUTPUTS Additional driver outputs for lights, valves, pumps, and more. Engage outputs with the SC-12 Master, a satellite switch box, or external toggle.	CDRV-HI8 CDRV-HI16 CDRV-HI32	*8 high-side (+12V) driver outputs per unit* *16 high-side (+12V) driver outputs per unit* *32 high-side (+12V) driver outputs per unit*
SATELLITE SWITCH BOX Toggle switch control box for custom control functions.	SWB-C	*For extra toggles and remote cab consoles*
REWORK TRIGGER Handheld rework trigger for manual or semi-automatic skips. Connect to any BUS-012 Hub port.	CRPB-818 REMOTE TRIGGER	*For accurate rework and improved focus*
PAPER TAPE PRINTER Industrial thermal paper tape printer for printing job counter channels and material usage.	CPR-212	*Prints activity summary*
SPEEDOMETER/COUNTER Remote speedometer/counter, commonly called "speedo" for driver use.	CSPD-712 CSS-712	*Simple, large-digit speed readout* *Full-color display with striping overview*

IN ACTION

EVERY ROAD MARKING VEHICLE IS UNIQUE.

THE SC-12 CONTROL SYSTEM IS FLEXIBLE ENOUGH TO WORK WITH ANY OPERATION.

Network Hub

Conveniently place hubs near SC-12 Control System devices to reduce network wiring. Hubs provide voltage dip & spike protection and ensure clean, robust communications. The network hub also shows advanced diagnostics on each device port and has LED verification of proper network operation.
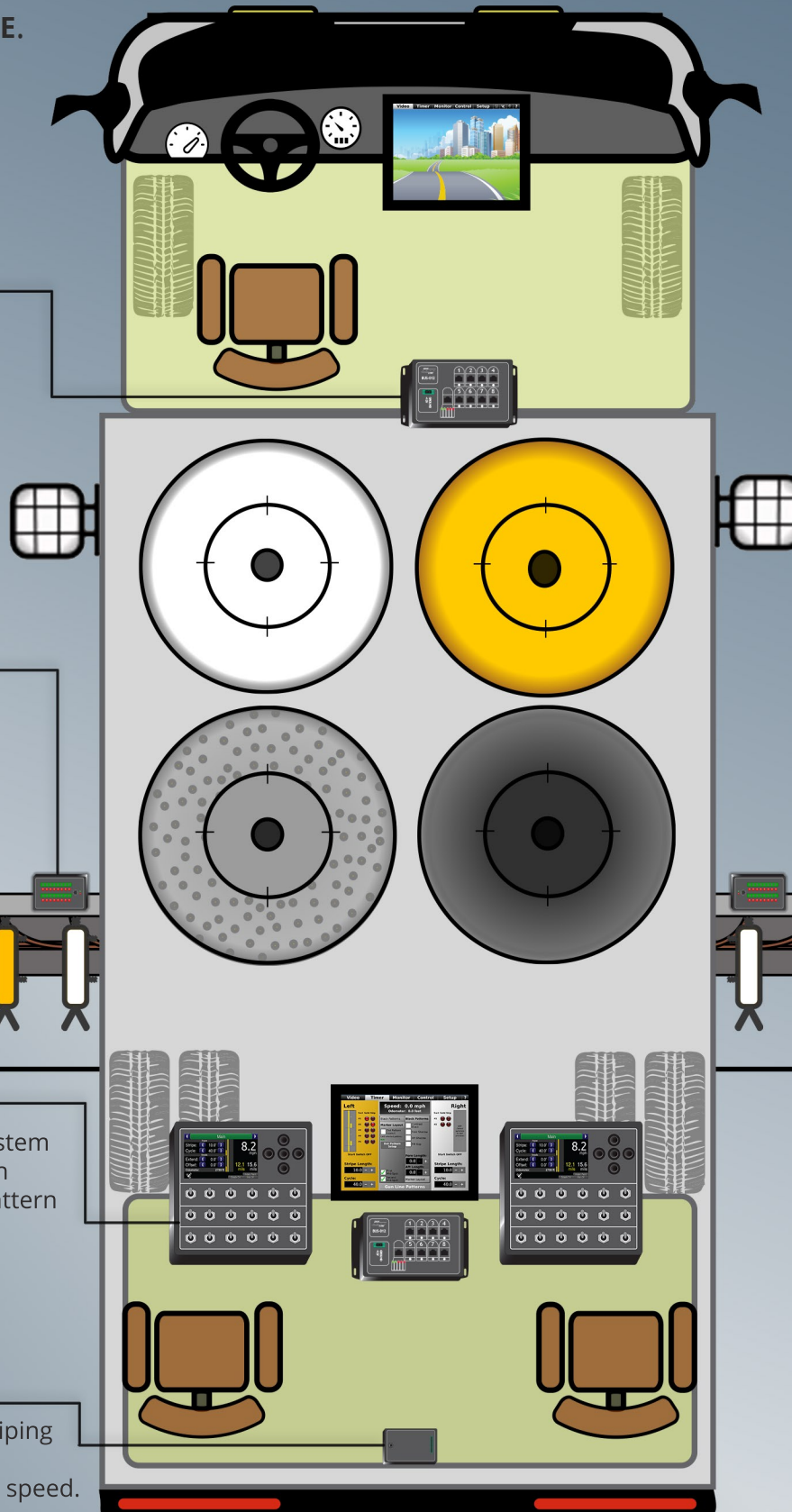
Point–of–Load Driver Boxes

Place output boxes on or near carriages to reduce wiring. Output indicators help with installation and diagnostics. LED lights indicate activated channels, greatly reducing troubleshooting time. High-current driver outputs with short circuit protection eliminate the need for relays.

SC–12 Master (switchbox)

An SC-12 Master provides operator stations with system control. Command the road marking operation with industry-familiar toggle switch functions. Change pattern configuration and custom settings using a simple navigation menu.
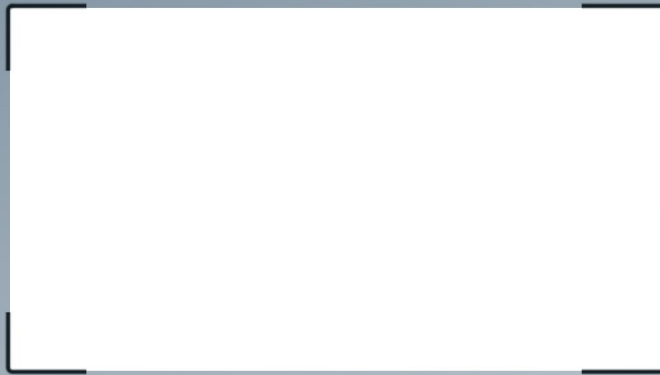
Core Skipper

The Core Skipper calculates and implements the striping pattern as dictated by the operator. This dedicated hardware ensures the most accurate striping at any speed.

SKIP-LINE WORKS WITH THE TOP ROAD MARKING VEHICLE MANUFACTURERS IN NORTH AMERICA TO DELIVER THE BEST ROAD MARKING EXPERIENCE IN THE INDUSTRY.

SKIP-LINE®

BY **SPEC-RITE®**

MADE IN THE USA MADE IN THE

ATSSA
PROUD MEMBER OF ATSSA