Introduction

We at FMS Accessories thank you for your purchase of the BMW R 1300 RT-P with the new emergency lighting system. The features and performance of this system exceed all prior systems system offered on BMW police motors. We hope you find these features truly useful in your daily work.

Please take a few minutes to review those features so that you can get the most from your new emergency lighting system. Don't hesitate to contact us if you have any questions or suggestions. Our goal is to produce the best product that addresses the needs of the motor officer.

Ride Safely,

FMS Accessories

info@fmsaccessories.com
201-264-8365

LED Emergency Light System:

The FMS Accessories emergency light system consists of dual front and single rear pods, as well as a fixed duplex rear emergency light on the radio box floor extension. The emergency light system includes 10 high performance dual-color emergency lights, take-down lights, alley lights, cruise light pipes that also function as auxiliary turn signal. The duplex light emulates the rear ID light (blue / red / off) and the rear emergency lights emulate the rear taillight and flicker brake light. The brake light will override the emergency lights! Optional license plate mounted ID lights are available in blue or red.

Important Note: If cover of front light pods is removed, when reinstalling it, squeeze the front and rear sides of the lower portion so that the cover "snaps" down fully, then install the screw.

Additional Emergency Lights: Locations are pre-wired by BMW for rear, rear side facing (saddlebag) and front side facing (under mirrors). Dual color lights in 4, 8 and 10 LED styles and mountings are available from FMS Accessories. Additional lights must be detected and assigned their respective positions in the lighting system by your BMW dealer.

Synchronization Feature:

The emergency lights will synchronize via GPS for all R 1300 RT-P motors with the FMS Accessories lighting system **when they are all set to the same flash pattern**. The default flash pattern is single flash 120.

Alternating Headlight:

The alternating headlight feature (when activated by the dealer via the ISTA system) will wig-wag the high and low beam headlight (as well as optional LED Driving Lights) during high ambient light when the front emergency lights are activated. A light sensor in the TFT dashboard will automatically disable this feature when ambient light levels become low. The wig-wag speed can be set at: Off, 60 fpm, 90 fpm or 120 fpm. This feature is not synchronized with the emergency light flash patterns.

Your BMW Dealer can set the following parameters:

Activation Sequence: Three step or four step activation (F&R, R, F or R, F&R, R, F)

DIM Function: DIM allows rider to dim emergency lights when encountering fog or limited visibility. This function resets once emergency lights are turned OFF. PTT2 (Flex Switch A) must be set to "non-latching" for this function to work correctly.

Available Emergency Light Wig-Wag Flash Patterns: (default pattern is Single Flash 120)

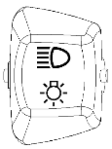
1. Single Flash 60*
2. Single Flash 90*
3. Single Flash 120*
4. Single Flash 150
5. Single Flash 180
6. Random Flash 120*
7. Random Flash 240

* - Denotes California Title 13 compliant pattern

Activating Emergency LED Lights:

This momentary right hand rocker switch with the beacon emblem controls the switching of the emergency lights. Pressing the switch button engages the front and rear emergency lights. Each subsequent press of the button advances to rear only emergency lights, then front only emergency lights. The pattern repeats with each subsequent press of the rocker switch. An alternate activation pattern can be selected of rear only, front & rear, rear only, front only. Pattern repeats with each subsequent press of the button. **BMW dealer can set the alternate activation pattern.**

To turn off the emergency lights, press and hold. An LED indicator display can be seen through the back of the right front LED emergency light housing, showing whether the front and/or rear emergency lights are activated.

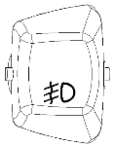


Cruise Lights:

The Cruise Lights feature (right cluster upper switch) illuminates the light pipes on the cover of the front and rear light pods, providing less distracting illumination for marking / parking lights. The Cruise Light feature operates with ignition "ON". Press the button up to turn the Cruise Lights "ON". Press the button up again to turn them "OFF". When Cruise Lights are "ON", an amber LED indicator light will be illuminated by the switch. If the ignition is turned-off with cruise lights on, the cruise light (switch) indicator will go out, but the button is still active – press again to turn-off. Once off, ignition will need to be ON again to turn cruise light back on. When left ON, after 30 minutes with ignition "OFF", the cruise lights will automatically turn off.

Stealth Mode:

Pressing the button down will turn off the headlight, taillight, ID lights and supplementary taillight, as well as dim the TFT dashboard lights. The brake light will remain functional (for reasons of safety).

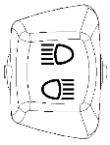


PTT2 (unmarked)

Pressing the button up (left cluster upper switch) will trigger several actions. First, it will **trigger emergency light DIM function**, which dims the emergency lights when the rider encounters fog / rain or other conditions that make the normal lighting too intense (rider activated). The DIM function can only be activated when the emergency lights are ON. Turning the emergency lights off resets the lighting system to full intensity. Additionally, PTT2 will activate a +12v signal to PIN 8 on the helmet headset interface plug, which can be used to trigger FMS BT Audio or body cameras, etc. Alternatively, this switch can be programmed to latch-on and then off by the dealer via ISTA. Switch LED indicator is red.

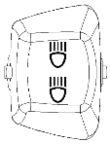
Flex Switch B:

Flex switch B activates socket #8 on the radio box plug strip (2A). The switch can be programmed by dealer to be momentary or latching. Amber switch LED indicator displays when switch circuit is activated. This switch is ideal for traffic emitters or other devices.



Alley Lights:

The Alley Light feature (left cluster middle switch) allows the rider to illuminate the left or right front side-facing alley LED light in steady-burn mode. A blue switch LED indicator will illuminate when either left or right alley light is selected. Rock the switch up for left light, middle position is "OFF", down for right light. The alley lights flash alternatively along with the take-down lights when the front emergency lights are activated with the TDL switch in the down position.



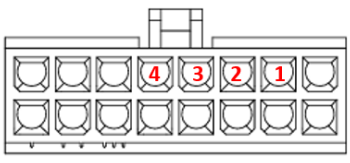
Take-Down Lights:

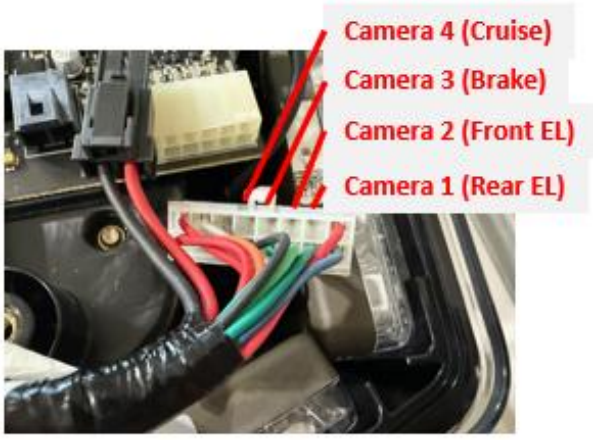
The Take-Down Light (TDL) feature (left cluster lower switch) activates left and right TDL's in steady-burn mode when pressed up, for use during violator stops or for additional day-time illumination. A green switch LED indicator will illuminate in take-down mode. The middle position is "OFF". Rock the TDL switch down to activate wig-way mode. In this mode, the TDL's and alley lights will wig-wag opposite the flashing of the front emergency LED lights whenever the front emergency LED lights are activated. A red switch LED indicator will illuminate when in wig-wag mode.

Caution: The purpose of Take-Down lights is to provide a high level of elevated light to illuminate the inside of a violator's car or to illuminate the violator stop area at night. It is not recommended to operate the take-down light features (wig-wag or steady-burn) AT NIGHT WHILE RIDING as the intensity of these lights could be distracting to on-coming drivers. This feature is designed to operate while riding in daylight or when the rider deems the surroundings safe and appropriate for their use.

Triggers for Body Cameras:

The rear pod control board is programmed to provide +12v triggers for front or rear light activation to trigger body cameras or emitters. Other functions have been set on more recent config files for Cruise and Brake. Other functions can be substituted by requesting a special config file from FMS Accessories. Mating connectors are available from FMS Accessories at the link below.
https://fmsaccessories.com/te-duac-pins-sockets





Config Files and Firmware Updates:

Config files are available from FMS Accessories via the following link: https://fmsaccessories.com/ka3-lighting-system-config-files
This link provides an assortment of config files which can be selected and downloaded to your PC at no cost without placing an order.

The FMS Utility software can also be downloaded to your pc from this page. The FMS Utility enables you to make changes to the light configuration of your motor, as well as download updates to the lighting system firmware. See the link below for instructions on using the FMS Utility / programming the lighting system. https://fmsaccessories.com/ProductInsructionsFile/FMS_Instructions-3_%2029%20PMFMS%20Instructions%20-%20KA3%20Emergency%20Lighting%20System.pdf

Firmware ID	Locality	Emergency Light	ID Light	Steady Burn	Latest Version
FMSA-CF-001	49 State	Red/Blue	Blue	N/A	032326
FMSA-CF-002	49 State	Red/Blue	Red	N/A	032326
FMSA-CF-003	49 State	Red/Blue	None	N/A	032326
FMSA-CF-004	49 State	Blue	Blue	N/A	032326
FMSA-CF-005	49 State	Blue	Red	N/A	032326
FMSA-CF-006	49 State	Blue	None	N/A	032326
FMSA-CF-007	CA	Red/Blue	Blue	Front Left	032326
FMSA-CF-008	CA	Red/Blue	Red	Front Left	032326
FMSA-CF-009	CA	Red/Blue	None	Front Left	032326
FMSA-CF-010	LAPD	Red/Blue	Blue	Front Right	032326
FMSA-CF-011	CHP	Red/Blue	Blue		*TBD*

FMS Utility can be downloaded **here.**

About FMS Accessories

FMS Solutions, LLC Limited Warranty
FMS Solutions, LLC warrants to the first retail purchaser of new FMS Accessory products, to be free from defects in materials or workmanship, for a period of three (3) years from the original date of purchase as noted on the FMS Solutions, LLC invoice or original dealer invoice, except for paint and powder-coated finishes, which are warranted for the first 12 months only. LED lights from Feniex, Inc., Code 3, Inc. and Littlite are covered for 5 years by their manufacturer's respective warranties – processed through FMS Solutions, LLC.

This warranty extends only to the FMS accessory and does not include: damage caused by accidents or abuse; incorrect installation; labor to diagnose, remove, repair or replace; any consequential damage or loss of use. Any FMS Accessory suspected of being defective should be returned to FMS Solutions, LLC along with a copy of proof of purchase and warranty request form available on the FMS website. FMS Solutions, LLC will determine if the FMS accessory has a warrantable defect, and if so, will repair or replace the item and return it to the sender without charge. The decision to repair or replace said item is solely the prerogative of FMS Solutions, LLC.

Note: Police motors can operate in a very rough environment since police motors are a "tool". They can be dropped, knocked-over, etc. without concern as the officer has a job to do and determines what is necessary at any given moment. Warranty is for defects in materials or workmanship. Therefore, the ability of an item to become broken or damaged does not mean it is warranty … it just means it is broken or damaged and in need of repair or replacement. No manufacturer warrants their products to be indestructible. Any questions should be directed to info@fmsaccessories.com .