

# R 1150 RT-P



BMW Motorrad  
USA

Police Motors



The BMW R 1150 RT-P is a motorcycle that commands attention. As agile as it is imposing, it offers all the superior performance and solid dependability that BMW has been famous for over the last 75 years.



# An authority motorcycle with real authority.

Law enforcement agencies need a machine that's as tough and resilient as the police officers who ride it. One that can absorb the rigors of the road and operate under most any situation. The R 1150 RT-P is such a motorcycle. Designed with a singular focus on rider comfort and ease of operation, it possesses outstanding state-of-the-art safety features.

- Partially integrated ABS power brakes for reliable stops on virtually any surface.
- Fan-driven, thermostatically controlled cooling that prohibits overheating in stop-and-go traffic such as parades when constant idling takes place.
- Reliable 840-watt alternator and revolutionary linked battery system that always restarts after long stops.
- 39-month unlimited-mileage limited warranty with 6,000-mile service intervals.

## ABS System

Anti-lock power brakes with EVO calipers and rotors mean the R 1150 RT-P stops amazingly fast. Easy-to-clean five-spoke wheels with run-flat tires are also standard equipment.



## Customized Controls

The fog lights, the halogen headlight and an electronically adjustable windshield can be set to each officer's personal specifications. Controls are right at the officer's fingertips.



Outstanding BMW core values are equally important for EMT motors.

## An engine that just won't quit.

The BMW Boxer twin engine is air- and oil-cooled, with four valve heads and electronically controlled fuel injection/ignition, mated to a six-speed gearbox. A low center of gravity offers excellent balance and handling, while response is monitored by a computerized Bosch Motronic engine management system. The system adjusts with each engine stroke to create the optimum fuel-to-air ratio. This all adds up to the best possible operation at all altitudes and engine temperatures, as well as increased fuel economy and lower exhaust emissions.

The Boxer is engineered to operate at peak performance year after year. In fact, it is not unusual to find BMW motorcycles that have racked up hundreds of thousands of miles. Not only do these bikes deliver reliable performance mile after mile, but they are also easier to maintain with an accessible flat-twin engine and exposed cylinders. An engine this reliable and flexible means that fewer service parts are needed, and with service intervals every 6,000 miles (including oil changes), the bike will run for longer periods of time, drastically reducing operating costs and downtime.

# R 1150 RT-P

## The ultimate weapon... fully loaded.



**A.** High-mounted, forward-facing emergency lights improve visibility – hard to miss in the violator’s rearview mirror.

**B.** BMW, working together with Kustom Signals® and Stalker®, has integrated their popular moving radar into the R 1150 RT-P. Specially designed remote-control mountings provide full function without blocking the rearview mirror.

**C.** Standard, radio-control head mount, integrated speaker and wiring provide clean, functional appearance. Optional sunshade available for Motorola® radios.

**D.** Optional Kustom MotorEye™ video system has been fully integrated into the motorcycle cockpit.

**E.** Large, 6.6-gallon rotation-molded, polymid™ fuel tank offers a 250- to 300-mile range.

**F.** Headlight beam can be adjusted by officer while riding for optimum visibility.

**G.** Electrically adjustable, scratch-resistant polycarbonate tall windshield is standard – adjusts to fit rider, temperature and mood.

**H.** Optional PA microphone for agencies not using helmet-headset interface units.

**I.** Standard 100-watt siren control system with single push-button control for wail, yelp and hyper-yelp. Air-horn controlled by horn switch when ignition is “on.”

**J.** Rear-only and all-way flasher systems are standard equipment. A switch is also provided to turn off the rear emergency lights (or telescoping pole light) separately, while leaving all other emergency lights activated.

**K.** Standard rider-information display shows fuel level, oil temperature, gear position and 24-hour digital clock.

**L.** Standard dual-range heated handlebar grips allow officer’s hands to remain warm even with thin gloves.

**M.** Standard integrated halogen fog lights provide added illumination for violator stops (offered where legal).

**N.** Optional 12-volt accessory power socket provides separately fused power for radar and laser guns.



### Front Radar Mount

Officers can monitor traffic without neck strain. This mount rotates 90 degrees and allows officers to park perpendicular to the roadway. It also permits an easier roadway entrance angle. The unit features a guiding handle to reduce stress on the plug connection.

### Rear Radar Mount

The stationary mount protects the antenna from exhaust and allows saddlebag removal without disturbing the mount. Mounting can be done with either a stationary or movable mount.



### Telescoping Light

When the R 1150 RT-P is parked, the rear telescoping light can be extended 6.5 feet, offering visibility over tall vehicles such as vans and sport-utility vehicles. Pole light features separate "on-off" switch to avoid reflections during night-time pursuits.

### Electronic Locking Shotgun Mount

This powder-coated aluminum shotgun mount locks electronically via a hidden button and provides full weapon support with a padded yoke at the receiver. Designed for use with the Remington 870® shotgun that has been fitted with a pistol grip and a 14-, 16- or 18-inch barrel. The mount features adjustable strap for added safety and to secure folding stocks, and it attaches to the rear of the bike via a chrome-plated antenna bracket.



### Pelican M11® Flashlight

Officers will never be caught unprepared in an emergency situation with this fused, rechargeable flashlight mount. Keeps the flashlight continuously charged so they won't have to worry about batteries failing in an emergency.



### Rear Soft Bag

This molded foam-and-fabric water-resistant bag is perfect for rain gear or jacket storage. Also perfect for folding retractable "Stop-Sticks." Handy zipper compartment on top for cell phone or keys. Attaches easily and securely with custom-fit nylon straps. Maximum load is 3 lbs.

### BMW Motorcycle Cover

Protect this police motor and its valuable equipment during inclement weather or anytime it is parked for an extended period. This premium-quality cover resists the effects of storms, sunlight and cracking due to cold weather. Double-stitched to ensure against seam slippage and dust penetration. Features aluminum heat-resistant panels, soft windshield protection panel, clear license-plate panel, handy storage pouch, wire-reinforced vent for air circulation and sewn-in slits for antennas.



### BMW 12-Volt Accessory Socket

Essential equipment for connecting hand-held radar or laser guns, as well as other 12-volt appliances, to the motorcycle's electrical system. Separately fused to match specific equipment needs.



# R 1150 RT-P

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## State-of-the-art technology for maximum visibility.

### Up to 10 LED units.

**A police officer pursues a speeding motorist, enters a crowded intersection or speeds to the scene of an accident. At times like these, it is critically important to have a powerful emergency lighting system with brilliant illumination.**

All police motor officers know the danger of having a motorist turn in front of them. BMW LED emergency lights have been specifically designed to give police officers intensive lighting that provides warning to motorists. High-intensity color beams precede the officer, warding off motorists who might otherwise pull into the path of the oncoming motorcycle. The off-angle visibility exceeds 20 degrees, with side lighting angled at 15 degrees forward, flooding light to the front left and right quadrants. Leading 15-degree sidelights also provide side visibility for PSDs and other intersection-blocking operations.

### Up to 12 LEDs with processor control.

For additional rear and side visibility, optional LEDs can be added to all side and rear locations. As the latest in emergency motor lighting, the new processor control unit provides synchronized flashing in 14 patterns for all LED lights in either alternating or simultaneous patterns. Additional light heads are available for single or duplex front/side, single rear/side radio-box lid, and single or duplex rear lights. The duplex rear lights are incredibly bright, even in bright sunlight. Rear duplex lights are combined with a photo-eye sensor that turns the lower row of duplex emergency LEDs off at night to reduce glare. The processor control also provides a secondary flash pattern for use each time the siren changes tone, flashing the lights in the secondary pattern for seven seconds after each siren tone change. This provides audio and visual alert to motorists and bystanders.

### Rear Visibility

Optional rear duplex LED lights, combined with optional supplementary LED brake/taillight, provides the ideal combination of visibility while presenting a neat, clean appearance.



### Exceptional Visibility

Side-mounted LED lights provide warning to motorists when an officer approaches. The LED units flood the front left and right quadrants with intense light that precedes the officer into an intersection or dangerous traffic situation. Front side-lights are mounted low to reduce glare to motorists waiting at blocked intersections.

## Safety on the road – from all angles.

These powerful emergency lights – developed for BMW by Code 3 Public Safety Equipment – are waterproof units specifically designed to fit the R 1150 RT-P, and are CA Title-13 class B compliant. Each light module appears clear when off, but produces an intense beam of red, blue, amber or white when switched on. These LED emergency lights are available with “smart heads” that flash independently, or with “NF” heads that are controlled by the central processor. In either case, programming the available flash patterns is done through one central flash control button.

The Code 3 LEDs have a five-year limited warranty and operate with very low current consumption. All wiring, mountings, etc. are designed and built by BMW and are fully documented on the BMW Police Motors web site – [www.bmwmc.net](http://www.bmwmc.net). Most importantly, all Code 3 products provided on the motor by BMW are warranted through the BMW retailer network along with the rest of the motor – a turnkey product with turnkey service.

Finally, a lighting system as state-of-the-art as BMW police motors.



# R 1150 RT-P

## Rock-solid suspension.

**No other motorcycles on the road – except other BMWs of course – possess suspensions quite like the R 1150 RT-P. Both front and rear systems are designed to accommodate the added weight of police equipment while delivering smooth, shock-free handling.**

The Telelever front suspension, with its durable control arm, reinforces the forks and stabilizes the wheel. This separates steering from suspension, making handling and braking far more exact. At any throttle load, control is increased dramatically, eliminating fork flex with fully compliant, anti-dive technology.

The R 1150 RT-P's rear suspension benefits from BMW's patented Paralever system. A single swing arm protects the driveshaft and unites with the rear axle, again separating suspension from the movement of the rear wheel. This means that the rider has superior control of the motorcycle at all speeds and over many different terrains.



## The most important job of all.

Since 1923, BMW has designed motorcycles for a variety of purposes. But no purpose is as important as protecting our citizens and our towns. For a job this crucial, municipalities need a motorcycle they can count on – a motorcycle engineered with cutting-edge technology for outstanding performance. A motorcycle that is maintenance friendly and supremely reliable. And most importantly, a motorcycle that provides both rider comfort and the latest safety features.

BMW is the leading worldwide supplier of authority motorcycles. There are 80,000 BMW motorcycles currently in use in 150 countries as well as in 300 markets in the United States alone – numbers that are proof positive that these motorcycles are among the best and most reliable machines on earth.

Your officers have an indispensable job to do. To make sure that they have equipment with state-of-the-art safety features, make sure they are riding BMW motorcycles.

The R 1150 RT-P has a lean angle of 44 degrees, which means high cornering clearance and exceptional emergency handling.



# Options.

You can customize the R 1150 RT-P to your department's own specific needs by choosing any of these options and accessories:

## Lighting Systems

- High-power strobe amplifier (UPS690) with dimmer switch.
- Side strobe lights (three different configurations).
- Rear strobe lights (two different configurations).
- Telescoping rear strobe pole beacon with "off" switch.
- Side LED lights.
- Front LED lights.
- Rear LED lights.
- Side LED turn signals/flashers.
- LED & strobe light combinations.
- Side incandescent turn signals.

## Equipment

- Flashlight & baton holder.
- Flashlight holder.
- Rechargeable flashlights.
- Notepad holder.
- Map light.
- Various push-to-talk switch configurations.
- Rocker cover protectors.
- Chrome rocker covers.
- System case dividers (for large cases).
- Scuff pads for system cases.
- Radar gun holsters.
- Laser gun holster.
- Waterproof fused lighter sockets.
- Mounts for Kustom® and Stalker® moving radar units.
- Power Management Module (for radios and radar).
- Motorola® radio control head sunshade.
- Radio power harness adapter.
- 800-MHz antenna ground plate (for radio-box lid).
- Low-band radio antenna mount.
- Shotgun mount – Remington 870® with electric lock.
- POLICE reflective decal set.
- Kustom MotorEye™ video system.
- Kustom® Golden Eagle moving radar.

## Additional Services

- Custom painting.
- Radio installations.\*
- Radar installations.
- Video system installations.

\* Radio programming done by local agency contractors.



Only BMW supplies a motorcycle that is fully integrated and ready to ride, eliminating the need for aftermarket additions and dramatically reducing costs. The motor arrives exactly fitted to your specifications.



## Standard equipment.

### Comfort & Safety

- Partially integrated Anti-lock power Brake System (ABS) with BMW EVO brake system.
- 1130-cc flat-twin engine producing 95 bhp.
- 840-watt alternator operating at 1.5 crankshaft speed.
- 6-speed gearbox with overdrive 6th gear.
- Integrated wind-tunnel-designed full fairing protection.
- Halogen headlight with FF reflector technology.
- Headlight beam adjuster on dashboard.
- Headlight switch (Off-Park-On).
- Integrated halogen fog lights (offered where legal).
- Electrically adjustable tall windshield.
- Three-position adjustable rider's seat.
- Hydraulic self-adjusting clutch.
- Adjustable clutch and front brake levers.
- Dual heat range, heated handlebar grips.
- Five-spoke cast-alloy tempered wheels with "run-flat" tires.
- Fairing mounted, true-image rearview mirrors.
- Fuel level, engine oil temperature, and gear position display.
- Quick-release rear wheel.
- Center stand.
- Digital clock.
- BMW tool kit.
- BMW tubeless tire repair kit (including CO2 cartridges).

### Emergency Equipment

- 100-watt siren with wail, yelp, hyper-yelp, air horn, radio rebroadcast & PA.
- Dual front and dual rear strobe/LED lights.
- Dual-linked battery system – always restarts after violator stops.
- Special authority fuse block for all emergency equipment.
- Power accessory sockets (2).
- Auxiliary cooling fan – thermostatically controlled – won't overheat.
- Front and rear protection bars.
- BMW police cases or larger capacity touring cases.
- Calibrated speedometer with 2-mph increments.
- Rear emergency flasher system.
- Locking side stand.
- Rear blue or red license plate ID lights.
- Integrated radio storage box with radio power connection.
- Radio head mounting support.
- Fairing-integrated police radio speaker with rough-in wiring.
- Radio antenna mounting.
- Fairing-integrated Doppler radar speaker.
- Standard colors: Black & white (#753) or white-only (#751).
- Jump-starting connection points.

## Specifications.

### Engine

Type	Air/oil-cooled twin-cylinder.
Bore x stroke	101 x 70.5 mm (3.98 x 2.78 in.)
Displacement	1130 cc
Valvetrain	Cam in head, 4 valves per cylinder.
Horsepower	95 bhp @ 7,250 rpm
Torque	74 lb-ft @ 5,500 rpm
Compression	11.3:1
Fuel system	Electronic fuel injection.
Ignition system	Electronic ignition, 2-spark heads.
Engine management	Bosch Motronic MA 2.4.
Emissions control	3-way catalytic converter (closed loop).
Fuel capacity	6.6 gallons including 1-gallon reserve (25.0/3.8 liters).
Fuel requirements	Middle grade—89 AKI unleaded.

### Drivetrain

Clutch	180-mm (7.09-in.) single dry plate, hydraulic assist.
Gearbox	6-speed manual.
Gear ratios	1st: 2.38:1 2nd: 1.60:1 3rd: 1.27:1 4th: 1.04:1 5th: 0.90:1 6th: 0.80:1

Drive system Enclosed driveshaft with two universal joints and integral torsional damper.

Final drive 2.91:1

### Suspension

Front	Telelever with central spring/strut. Linear-rate coil spring. Twin-tube gas-filled shock absorber. 4.72 in. (120 mm) of travel.
Rear	Patented BMW Paralever swing arm and shaft drive. Single-tube gas-filled shock absorber. Variable rebound damping. Progressive-rate spring. 5.31 in. (135 mm) of travel.
Frame	3-section frame using engine as stressed member.

### Electrical

Alternator	840 watts (60 A @ 14 volts) operating at 1.5 crankshaft speed.
Batteries	2x19 Ah maintenance-free gel.
Fused circuits	10 – main system block. 10 – authority system block.

### Brakes

Front	BMW EVO, 4-piston calipers with dual 12.6-in. (320-mm) diameter rotors.
Rear	Single 11.2-in. (285-mm) diameter rotor with twin-piston caliper.
Actuation	Hydraulic.
Anti-lock	BMW (Partial) Integral ABS power brakes.

### Wheels/Tires

Front wheel	3.50 x 17 cast alloy.
Rear wheel	5.00 x 17 cast alloy.
Front tire	120/70ZR17 tubeless. Dunlop D205F
Rear tire	170/60ZR17 tubeless. Dunlop D205G

### Dimensions

Overall length	87.8 in. (2230 mm)
Overall width	35.4 in. (898 mm) over mirrors.
Wheelbase	58.5 in. (1485 mm)
Seat height	30.7/31.5/32.2 in. (780/800/820 mm)
Ground clearance	6.0 in. (153 mm)
Wet weight*	695 lb. (315 kg)
GVWR	1,091 lb. (495 kg)
Top speed	Over 120 mph (193 km/h)

### Service & Warranty

- 39-month, unlimited-mileage, limited motorcycle warranty.
- 12-month, unlimited-mileage, limited Original BMW Parts warranty.
- 6,000-mile service intervals.
- Authorized sales and service available in 160 locations.
- Technical service hot line for service and parts support.
- Service and rider indoctrination training available at no charge.
- All emergency equipment fully diagrammed and documented.

\* With 6.6 gallons of fuel, six strobe lights, siren system – completely ready to go!

# R1150RTP

To obtain more information about BMW Authority Motorcycles, contact your nearest authorized BMW Motorcycle Retailer or call 1-800-345-4BMW for the location of the retailer nearest you. You may also e-mail BMW Motorrad USA, Authority Sales at [police.motors@bmwna.com](mailto:police.motors@bmwna.com), or visit our police web site at [www.bmwmc.net](http://www.bmwmc.net).

The prime concern for all law enforcement officers is safety. Your officers protect our towns and citizens, which is why they need a motorcycle that protects them as well. Choose the R 1150 RT-P – it's engineered to perform as efficiently as the people who ride them.



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