



# RADIOWORLD

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**263 Walsall Road, Great Wyrley, Walsall, WS6 6DL**

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Tel: **01922 414 796** Fax: **01922 417829** Skype: **radioworld\_uk**



**Kenwood TS-590SG  
Special Black Edition  
70th Anniversary in  
stock,  
£1699.96**

## DESCRIPTION

The Kenwood TS-590SG Special Black Edition 70th Anniversary edition All units are supplied with a unique limited edition serial number as with the TS-2000 black limited edition this unit will be sought after for many years to come.

As a major manufacturer specializing in both audio and wireless communications, KENWOOD's roots are to be found in the period of postwar economic growth, among a new generation of Japanese audiophiles and ham radio enthusiasts. Drawing on the advanced technologies and expertise gained over many years in both audio and wireless, we were able to satisfy even the most discerning customers by offering leading-edge products that were always one step ahead in innovation and performance. Now, in gratitude for the enduring support we have received from our customers, we have created this limited-edition Special Black version of the TS-590SG to commemorate KENWOOD's 70th anniversary. Based on the current TS-590SG HF/50MHz transceiver, this Special Black version features a distinctive front panel, main dial and glass screen. As a special deluxe model, it thus offers the highest levels of performance, functional versatility and quality in this product category – a reputation already established by the current model. We feel confident that this limited edition will more than satisfy the high expectations of our customers with an eye for elegant design.

A total of only 470 units of the Special Black TS-590SG will be made available worldwide, with a special serial number (unique for each market) applied to the rear panel.

Specifications are identical to the current TS-590SG model.



SPLIT key, when making a 2 kHz upsetting, will enable quick setting by pressing "2" on the keypad. Furthermore, in simplex operation with just XIT on, the XIT frequency can be changed with TF-SET. The keypad keys are band-direct keys. Each band has 3 memories, enabling quick call-up of usually-used frequencies.

Other features

Antenna output function (shared with DRV connector)

LED backlight with selectable color tone

FIL A/B configurable independently with VFO A/B (convenient during Split operation)

Front or rear PTT selectable for Data PTT

Switching from HI CUT/LO CUT to WIDTH/SHIFT possible for reception bandwidth changing in SSB mode

Interference/noise removal features

Heavy-duty design is capable of withstanding grueling conditions typical of contests or long hours of hard operation with two of 60mm fan cooling system

Built-in preset-type high speed operation automatic antenna tuner

Key Features,

TS-590SG Upgraded features, replaces the original TS-590S model

Enhanced RX performance with superb 3rd-order Dynamic Range

New On-screen CW decoder

Extended Digital IF Filter selections

"ANT Out" function like TS-990S

TX/RX Equalizer DSP now settable per Mode

frequency (11.374 MHz) down conversion\* is included when receiving on 15, 20, 40, 80 or 160 meter bands. Included as standard directly after the 1st Mixer and Post Amp that compensates for conversion loss is a BW 500 Hz and 2.7 kHz 6-pole MCF, which determines adjacent receptivity realizing superb dynamic range performance that was not possible using up conversion. Even when an interfering signal approaches the reception frequency, a virtually flat dynamic range is maintained. You can capture a clear signal even in reception conditions where strong adjacent interfering signals become problematic.

New Tri-Colour LCD Display (Amber, Green or Yellow)

\* Down conversion is selected automatically when receiving in CW/ FSK/ SSB modes if the final passband is 2.7 kHz or less.  
Extra (3rd) PF function via push-switch in the MULTI/CH knob

Advanced AGC control through digital signal processing from the IF stage onward  
Deluxe new VFO knob design

It would be no exaggeration to say that Kenwood's receive audio, which enjoys a reputation for being non-tiring even in long contests, is determined by IF AGC control based on unique DSP algorithms. This series features all of the IF DSP AGC technology developed with the TS-990S. A remodeling of the AGC circuitry has realized superb AGC performance covering from small to large inputs. Even if interference signals slip between the Roofing Filter and the IF DSP filter that determines the final selection, level optimized AGC control enables operation without the need for awareness of Roofing Filter bandwidth.

Morse code decoder function

Received morse code displayable\* by scrolling on 13-segment display unit. Moreover, characters are shown\* in a dedicated window on the ARCP-590G (freeware).

\* Proper decoding may not be available due to reception conditions, etc.

Programmable functions

Frequently used and special functions can be assigned to the programmable function (PF) keys. With the TS-590SG, in addition to the PF keys, functions can also be assigned to the MULTI/CH knob's Push SW. Quick settings are made possible by assigning level setting functions such as keying speed. The RIT/XIT/CL keys can also be used as programmable function keys.

New Split function enabling quick setting In addition to conventional split frequency setting methods, the TS-990's proven split setting functionality has been included. A long press of the