Kenwood R1000 shortwave receiver

We have modified a Kenwood R1000 shortwave receiver with a DRM mixer which was obtained from Sat. Service Schneider in Germany.

The mixer is a 467 kHz type with crystal option.

Attached you'll find the Kenwood user manual front page, the specification, the schematic, a picture of the mounting and the output spectrum.

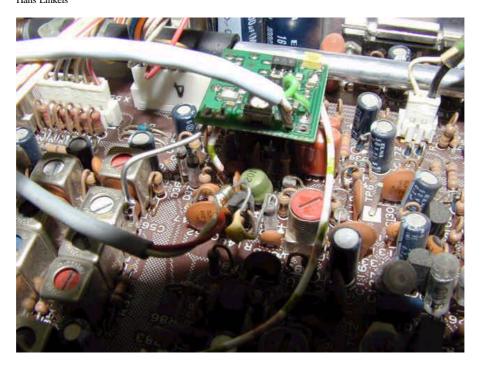
The mixer is connected to the last IF buffer in the Kenwood receiver, on the connection of R148 with the emitter of Q24 (point A). The 'hot' connection of R148 is conveniently the upper wire of the resistor which is mounted vertically. The power connection was made at point B.

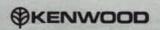
We connected the DRM modulator output to the antenna input of the Kenwood with a 40 dB attenuator inserted, and the resulting output spectrum was recorded. I think the spectrum looks quite well and usable.

Editors note: This receiver has yet to be tested and proved with the software, but this document

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Hans Linkels



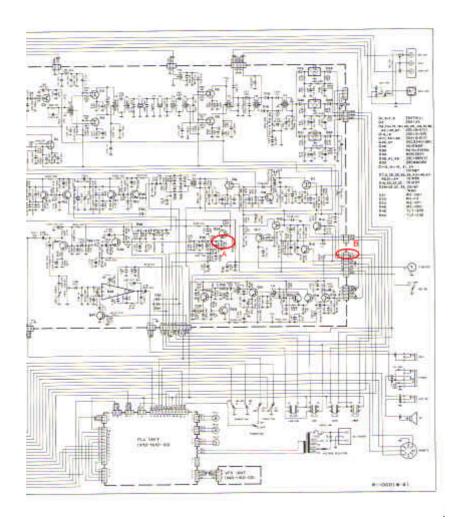


COMMUNICATIONS RECEIVER
NACHRICHTENEMPFÄNGER
RECEPTEUR DE COMMUNICATIONS
RECEPTOR DE COMUNICACIONES

Model R-1000



INSTRUCTION MANUAL BEDIENUNGSANLEITUNG MODE D'EMPLOI MANUAL DE INSTRUCCIONES



SECTION 1. INSTALLATION

R-1000 SPECIFICATIONS

Frequency Вигра.	200 MHz - 30.0 MHz
Muste	
Sensitively If 0.dB or mor	
200 KH2 2 MHz (Anter	
AM INARROW TONE	
Carrier	20xV
558	Half .
2 MHz - 35 MHz (Aster	na impetance: SINI)
AM INARROW TONE	
Coner	2,V
SSR	0.16/
minage Rassu	Mane then 60-dill
IF Hoperators	More than 70-st
Relegions	
AM: MYBEI	12 kets at = 0.08
	25 time in 50 a8
NOVEMBER DAYS:	Bh 2 - m (H) 6
	18319 at - 50 dB
SSB-CW	2.7 MEC at - 6 dft.
000010000	5 kHz at ~ 60 dB
Frequetting Statistics	+2 kets man from 1 to 60
A TORRISON OF STREET	transation after prower on
	+300 Hz man, in every
	suttanguent 30 minutes
Annous impelante	MW 200 kHz - 2 MHz
	180 turbalances?
	SW6 2 MHz - 30 AHs
	500 Darkersen
	SWEENHA-30MHs.
	Dourstadeur Left
Autho Clutput	1 NW frats (IRA town).
whate control	10% decirring
William School	THE MELLINIAN
Audio Exat	4 - 10tt external appaker of
HARPETON D. P.	
	heistohone
Firmer Consultation	WOW.
Proper Requirements	100, 120, 220, 240V, AE
Culture de la comme	58/60 Hz
Semiconductors	14 Kb. 11 FETs
	64 mmeaturs, 72 duties
	† display sibe
Dimension	W 300 mm (12-3/4 inch
	H 115 mm (4-1/2 met)
	D 218 mm (8-9) 16 m/s
fee(fit	8.8.4g112.1 lbs/
CLOCK SECTION	
Type	Quarte

#15 seconds max/month

1.1 GENERAL

To obtain meanium pathermatics from unio 0.1000 toposes, it is quarriented plus seed Sections 2 and 3 to their activity before alternating to operate the unit.

1.2 ACCESSORIES

The	following accountry flows are included:	
1	Operating manual	7 0004
2	AC power table	1 piece
1	Wire for entering	- Sy
4.	Minuture Speaker grug.	T piece
1	Fues (0.7A) for 100/120V operation.	2 perse
	ne has 50.4A) for 220/240V maranise	2 precin
+	Remote connector (7P)	7 perce

1.3 OPERATING LOCATION

As well any solid state electronic equapment, like # 1000 strough be kept from extremes of host exchangelity. Choose an approximal because that is they and cook and send quintablig the receive in direct surrigin.

1.4 ANTENNA

Antherine and Grounding translation of enterine and grounding is important to so-troom exception of short-week translation emakers in departs. A good condoor externing will provide the best re-ceipting A good condoor externing will provide the best re-

harts. The to-bowing dissertion contain amounts types and their one

NOTE

is strende michiaio in in ristali the slapphed wire atmente as high as provedue, it must be severided for the first length for good results.

good create.

• Long Wee Anteners

This is the semijent internor, semig about 30 — 1000 feet 110 — 20m; of the semijent antennor, semig about 30 — 1000 feet 110 — 30m; of semigraphic sensor supports. The argument semi about the level with tradition, stratified wire or 4-gauge major series or Catagoriests. This type of patients must be intended to commission to single of 60 feet 120m; or more, smalled the post-dominately to a larger of 60 feet 120m; or more, and one post-dominate is legit as passatis. Note that it should be useful easily as possible from AC posses these factories.

eway as possible from AL power tree. Interiors and other distances on investigal L america. Other distance of the four process are an after process as a superior and the process as a contraction of the contract of the cont

Boulinst Antonna
This type of antonna as sultates for remainse of a specific

from the following the votes (X_i, X_j) and the function because (X_i, X_j)

