

Syncro

RADIO STORE 4x40

Owner's Manual

Downloaded from www.cbradio.nl

SPECIFICATIONS

FREQUENCY RESOLUTION.....AM/FM
FREQUENCY RANGE.....EU : 26.965MHz~27.405MHz
UK : 27.60125MHz~27.99125MHz
EMISSION MODE.....A3E(AM), F3E(FM)
CHANNEL CONTROL.....PLL SYNTHESIZER
FREQUENCY STABILITY.....+/-300Hz
USABLE TEMPERATURE.....-20 deg. C to +50 deg. C
ANTENNA IMPEDENCE.....50 ohm UNBALANCED
VOLTAGE OPERATION.....DC 13.8V (Negative Ground Vehicle)
CURRENT DRAIN AT 13.8V
TRANSMITTING.....3.8W~4.2W APPROX 2.5A
RECEIVING.....NO SIGNAL 550mA
RECEIVING SYSTEM.....Double Conversion Superheterodyne

GENERAL SPECIFICATIONS

FEATURES

- ▶ PLL SYNTHESIZER
- ▶ LCD DISPLAY
- ▶ ROTARY CHANNEL PULSE SWITCH
- ▶ AM/FM SELECTION
- ▶ SCAN FUNCTION
- ▶ RF/SIGNAL LCD BAR METER
- ▶ 4-PIN MIC JACK
- ▶ EXTERNAL SPEAKER JACK
- ▶ EXTERNAL S-METER JACK
- ▶ LCD BACK LIGHTING
- ▶ CONTROLS
 - @VOLUME CONTROL (WITH ON/OFF SWITCH)
 - @SQUELCH SENS CONTROL

RECEIVER PERFORMANCE

- ▶ AM/FM 40CH (EU/UK)
- ▶ USABLE SENSITIVITY (at S/N 10dB) AM 1uV, FM 0.5uV
- ▶ SELECTIVITY (at +/-10KHz) 60dB
- ▶ INTERMEDIATE FREQUENCY
 - 1st : 10.695MHz
 - 2nd : 455KHz

TRANSMITTER PERFORMANCE

- ▶ AM/FM 40CH (EU/UK)
- ▶ RF OUTPUT POWER : 4W
- ▶ AM MODULATION : TYPICAL 90%
- ▶ FM DEVIATION : 2KHz MAX
- ▶ SPURIOUS EMISSION : 60dB

FREQUENCY COVER RANGE

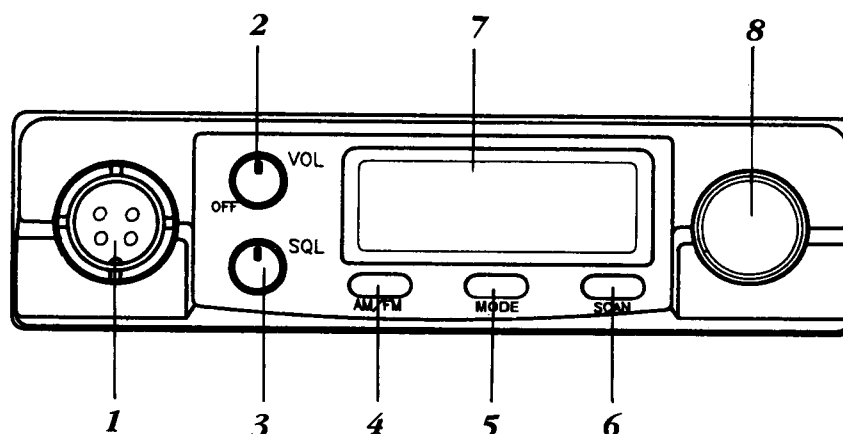
EU : 26.965MHz~27.405MHz
UK : 27.60125MHz~27.99125MHz

POWER SUPPLY RANGE : DC 13.8V NEGATIVE GROUND

DIMENSIONS : W 5-1/16" x D 8-3/16" x H 1-5/16"

WEIGHT : 1.1 kg

OPERATING CONTROL AND FEATURES



1. MICROPHONE INPUT

Socket for push-to-talk microphone.

2. ON-OFF/VOLUME CONTROL

Controls audio output VOLUME and "ON-OFF" the power the extreme COUNTER-CLOCKWISE position is power OFF state.

3. SQUELCH CONTROL

Used to quiet the receiver during absence of receive signals. Sensitivity to incoming signals is fully adjustable.

4. AM/FM SWITCH

This switch changes modes from AM to FM.

5. MODE

This button change EU/UK mode.

6. SCAN SWITCH

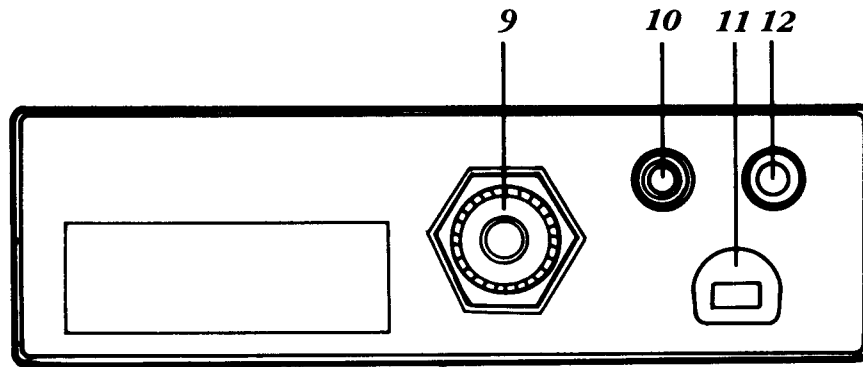
Auto scan mode in RX can be set by this SCAN SWITCH. Incoming signals stop the autoscanning.

7. LCD DISPLAY

LCD indicates the channel selected by 40 position and functions.

8. CHANNEL SWITCH

This rotary switch selects one of 40 channels in RX mode, but in TX mode, channel is not changed.



9. ANTENNA CONNECTION

To match antenna lead-in cable (RG-58/U or RG-8U) with PL-259 type coaxial connector.

10. S-METER JACK

At receive mode. External jack for strength of incoming signals.

11. DC POWER CABLE

12 Volts DC for transceiver supplied.

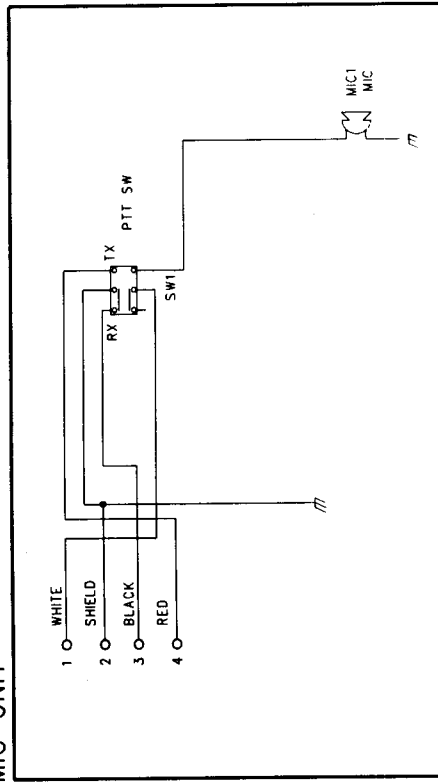
12. EXTERNAL SPEAKER JACK

Impedance of any device such as a headphone connected to this jack should be 8-16 ohms. Insertion of plug into jack automatically silences the transceiver's internal speaker.

FREQUENCY CHART

CHANNEL	UK FREQUENCY	EU FREQUENCY	CHANNEL	UK FREQUENCY	EU FREQUENCY
1CH	27.60125MHz	26.965MHz	21CH	27.80125MHz	27.215MHz
2CH	27.61125MHz	26.975MHz	22CH	27.81125MHz	27.225MHz
3CH	27.62125MHz	26.985MHz	23CH	27.82125MHz	27.255MHz
4CH	27.63125MHz	27.005MHz	24CH	27.83125MHz	27.235MHz
5CH	27.64125MHz	27.015MHz	25CH	27.84125MHz	27.245MHz
6CH	27.65125MHz	27.025MHz	26CH	27.85125MHz	27.265MHz
7CH	27.66125MHz	27.035MHz	27CH	27.86125MHz	27.275MHz
8CH	27.67125MHz	27.055MHz	28CH	27.87125MHz	27.285MHz
9CH	27.68125MHz	27.065MHz	29CH	27.88125MHz	27.295MHz
10CH	27.69125MHz	27.075MHz	30CH	27.89125MHz	27.305MHz
11CH	27.70125MHz	27.085MHz	31CH	27.90125MHz	27.315MHz
12CH	27.71125MHz	27.105MHz	32CH	27.91125MHz	27.325MHz
13CH	27.72125MHz	27.115MHz	33CH	27.92125MHz	27.335MHz
14CH	27.73125MHz	27.125MHz	34CH	27.93125MHz	27.345MHz
15CH	27.74125MHz	27.135MHz	35CH	27.94125MHz	27.355MHz
16CH	27.75125MHz	27.155MHz	36CH	27.95125MHz	27.365MHz
17CH	27.76125MHz	27.165MHz	37CH	27.96125MHz	27.375MHz
18CH	27.77125MHz	27.175MHz	38CH	27.97125MHz	27.385MHz
19CH	27.78125MHz	27.185MHz	39CH	27.98125MHz	27.395MHz
20CH	27.79125MHz	27.205MHz	40CH	27.99125MHz	27.405MHz

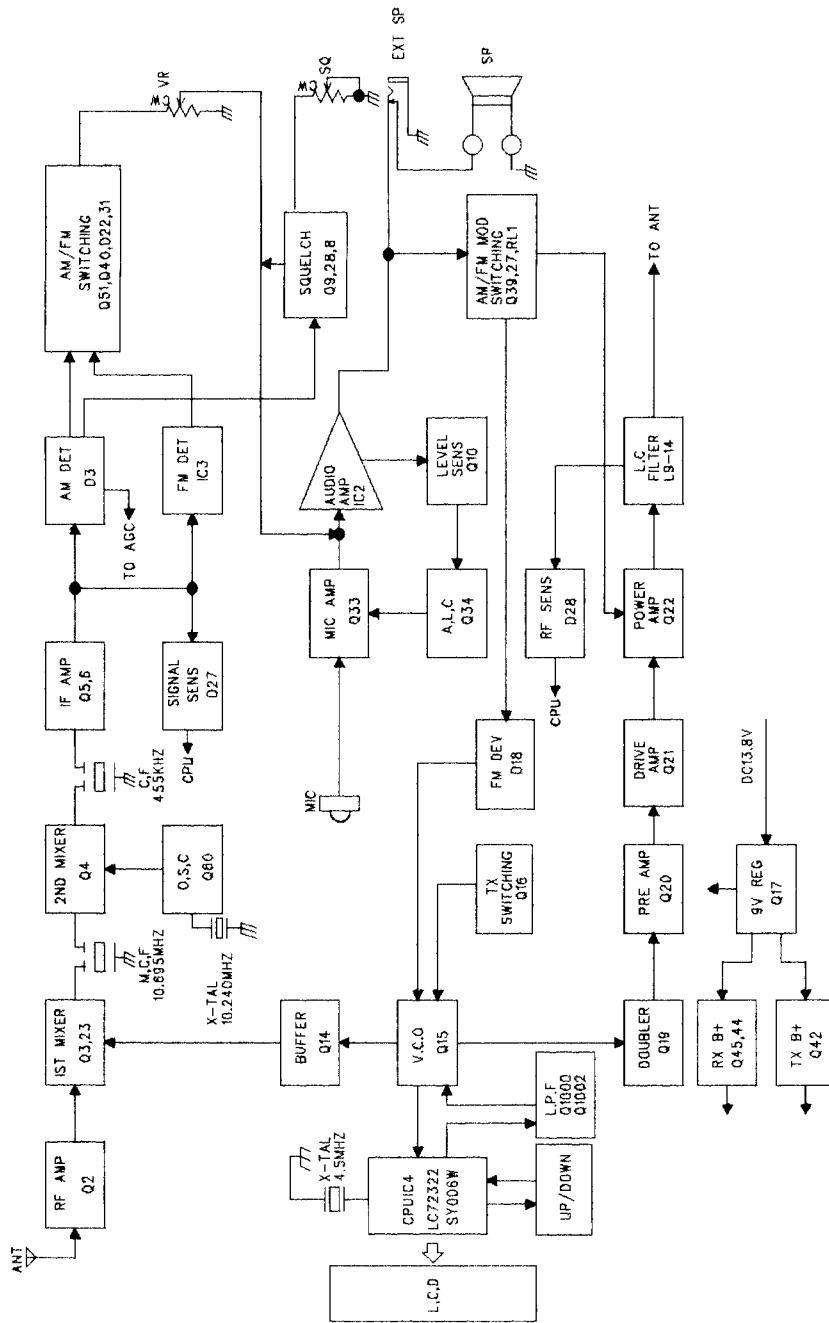
MIC UNIT



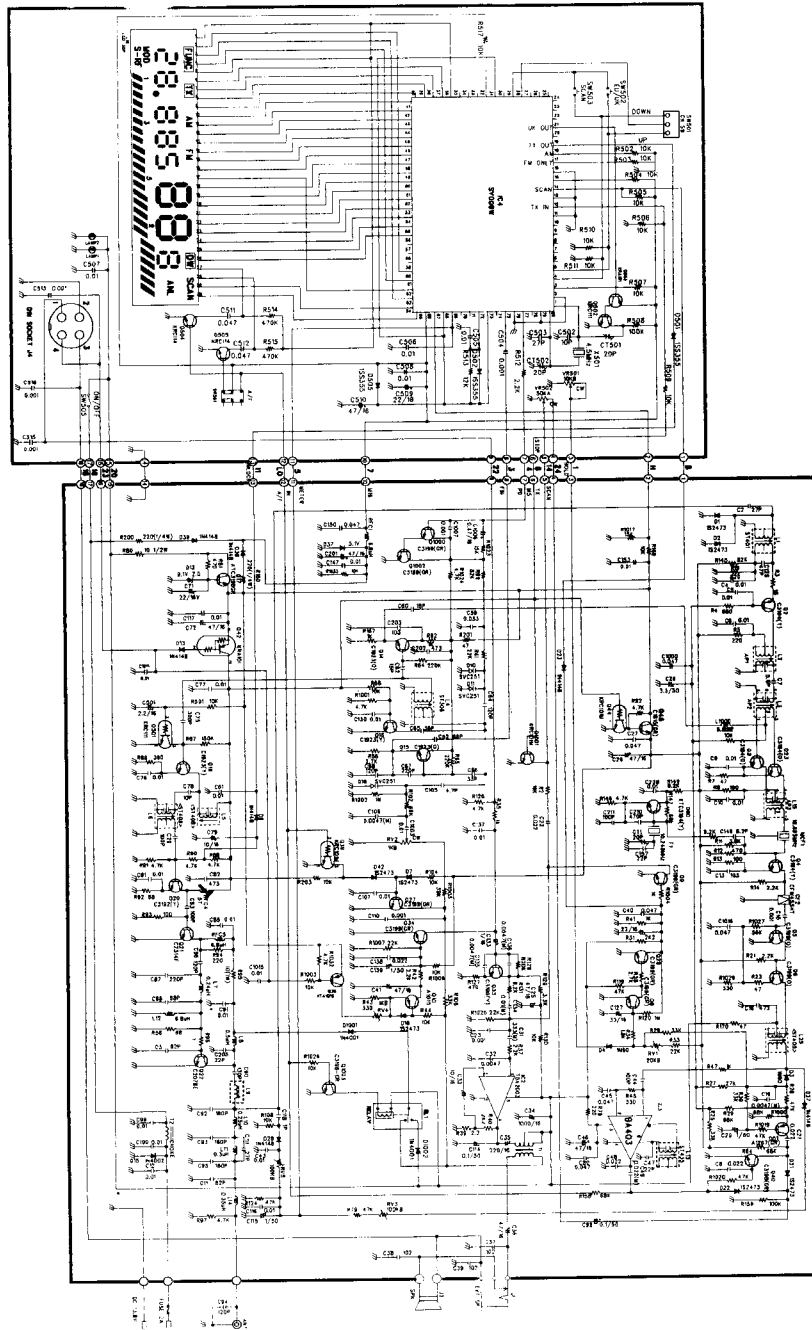
WHITE
SHIELD
BLACK
RED

1. AUDIO INPUT
2. GROUND
3. RX
4. TX

BLOCK DIAGRAM



SCHEMATIC DIAGRAM



CERTIFICATE OF CONFORMITY

Syncro-Expanso B.V. Brunssum, The Netherlands, declares that the CB transceiver:

Brand: **Syncro**

Type: **Radio Store 4x40 EURO**

Manufactured in: The Philippines

Is in conformity with the essential requirements of the Directive 1995/5/CE (Article 3) adapted to the national law, as well as with the following European Standards:

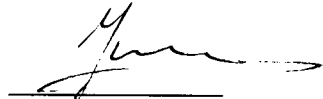
ETS 300 135 (1991)

EN 300 135-2 (2000)

ETS 300 433 (1995)

EN 300 433-2 (2000)

Brunssum, 2-1-2002



J. Hahh
General Manager

Brand: SYNCRO
Type: Radio Store 4x40 EURO

Specs: TX/RX on CEPT CB frequencies FM 4W - AM 1W
RX only on UK CB frequencies FM - AM.

Countries in which a license is required:
AT-BE-DE-GR-IT-ES-GB-CH
Countries in which no license is required:
DK-FI-FR-IE-LU-NL-PT-SE-IS-NO



The user manual for this set might be slightly different from the set you purchased.
Due to different laws in various countries, several versions of this transceiver are
being sold world wide.

Radio Store 4x40 EXPORT
TX/RX on CEPT + UK CB frequencies 40CH FM 4W - AM 4W

Radio Store 4x40 UK
TX/RX on CEPT + UK CB frequencies 40CH FM 4W

Radio Store 4x40 EURO
TX/RX on CEPT CB frequencies FM 4W - AM 1W
RX only on UK CB frequencies FM - AM.