

CHARGING UNITS AVAILABLE

DC 302 Elegant free standing 2 Unit intelligent charger.

DC 310, DC320, DC330. 10, 20, AND 30 Unit intelligent chargers. Each fitted in convenient strong carrying case with handle.

CLOCKAUDIO

GTS
UHF PLL, 16 CHANNEL SWITCHABLE
GUIDED TOUR MICROPHONE SYSTEM

USER'S GUIDE

DESCRIPTION

The Clockaudio GTS system is designed for live commentary or narration on guided tours for individuals or parties in such places as Museums, Gardens, Factories or Outdoor Events. It is also suitable for a wide range of other uses such as, a multi language translation system, talk back, language tuition etc. It is a UHF Phase Lock Loop Wireless system offering 16 switchable channels and working range of approximately 100 metres in open space.

It comprises:

GT - 300T Volume adjustable Transmitter with built in condenser microphone for hand held operation and external microphone for use when clipped to a belt or pocket. Two Ni-MH rechargeable batteries.

GT - 300R Volume adjustable Receiver with built in speaker for hand held use and external ear piece for use when clipped to belt or pocket. Two Ni-MH rechargeable batteries.

Also available are intelligent Chargers for 2, 10, 20 or 30 Units giving approximately 10 hours of operation after 2 hours of charge.

G-300T/G - 300R

OVERALL SYSTEM SPECIFICATION

| | |
|-------------------|--|
| CARRIER MODE | PLL SYNTHESISED |
| FREQ'Y RANGE | UHF 700 - 960 MHz (ACCORDING TO REGULATION) |
| CHANNEL FREQ'Y | 16 PREPROGRAMMED SWITHCHABLE |
| STABILITY | +/- 0.005% |
| MAXIMUM DEVIATION | +/- 75 KHz |
| DYNAMIC RANGE | > 80 dB |
| T.H.D. | < 1% |
| PRE/DE EMPHASIS | < 50µS |
| FREQ'Y RESPONSE | 200 Hz - 10 KHz |
| AERIAL | HELICAL ANTENNA |
| BATTERY | 2 x AA TYPE Ni-MH RECHARGEABLE |
| BATTERY LIFE | 10-12 HOURS FROM FULL CHARGE |
| OPERATING RANGE | >100m (OPEN SPACE) |

SPECIFICATIONS

DIAGRAM 1. G - 300T TRANSMITTER

G - 300T TRANSMITTER

| | |
|------------|--|
| MICROPHONE | CONDENSER |
| R F OUTPUT | 10 - 20mW (according to regulation) |
| C/N RATIO | > 110 dB |
| SPURIOUS | < -60 dBc |
| DIMENSIONS | 92mm x 65mm x 25mm |
| WEIGHT | 78g |

G - 300R RECEIVER

| | |
|-----------------|-------------------------------|
| RECEIVE MODE | PLL SINGLE CHANNEL RECEIVE |
| SENSITIVITY | 4 μ V (at 20 dB SINAD) |
| IMAGE REJECTION | > 60 dB |
| DOUBLE IF | 70.7 MHz/10.7 MHz |
| AUDIO OUTPUT | 0.2W |
| DIMENSIONS | 92mm x 65mm x 25mm |
| WEIGHT | 80g |

KEY

1. ANTENNA
2. EXTERNAL MICROPHONE INPUT
3. POWER SWITCH
4. LED BATTERY INDICATOR
5. MICROPHONE VOLUME
6. BATTERY COVER
7. RECHARGING CONTACTS
8. BATTERY BOX
9. CHANNEL SELECTION
10. BELT CLIP

GUIDED TOUR SYSTEM BACK PAGE

SPECIFICATIONS

OVERALL

| | |
|---------------------|---|
| F M CARRIER | PLL Synthesised |
| FREQUENCY RANGE | UHF 700MHz - 960MHz (According to regulation) |
| CHANNEL FREQUENCIES | 16 Pre Programmed, switchable |
| STABILITY | +/- 0.005% |
| MAXIMUM DEVIATION | +/- 75KHz |
| DYNAMIC RANGE | > 80 dB |
| THD | < 1% |
| PRE/DE EMPHASIS | < 50µS |
| FREQUENCY RESPONSE | 200Hz - 10KHz |
| AERIAL | Helical Antenna |
| BATTERY | 2 AA type Ni - MH rechargeable |
| BATTERY LIFE | 10 - 12 Hours from full charge |
| OPERATING RANGE | 100m Open Space |
| FINISH | Matt black |

G - 300T TRANSMITTER

| | |
|------------|-------------------------------------|
| MICROPHONE | Condenser |
| RF OUTPUT | 10 - 20mW (according to regulation) |
| C/N RATIO | > 110dB |
| SPURIOUS | < -60dB |
| DIMENSIONS | 92 x 65 x 25mm |
| WEIGHT | 78g |

G - 300R RECEIVER

| | |
|-----------------|----------------------------|
| RECEIVE MODE | PLL Single Channel receive |
| IMAGE REJECTION | < 60dB |
| DOUBLE IF | 70.7MHz/10.7MHz |
| AUDIO OUTPUT | 0.2W |
| DIMENSIONS | 92 x 65 x 25mm |
| WEIGHT | 80g |

OPTIONAL RECHARGERS

| | |
|------------------|---|
| DC 302 RECHARGER | 2 unit Intelligent recharger (as shown on front page) |
| DC 310 RECHARGER | 10 unit intelligent recharger in fitted flight case |
| DC 320 RECHARGER | 20 unit intelligent recharger in fitted flight case |
| DC 330 RECHARGER | 30 unit intelligent recharger in fitted flight case |