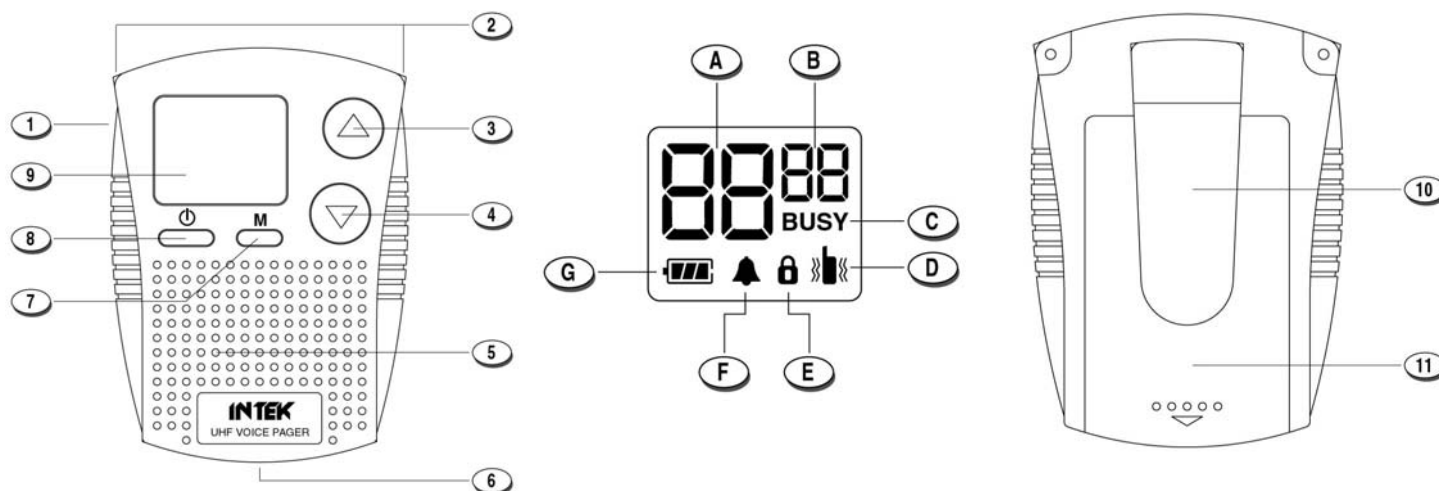# INTEK®

RP-600
DUAL BAND PMR 446 / LPD 433 UHF FM VOICE PAGER
OPERATING MANUAL

INTRODUCTION

This product has been specifically designed for the following purposes :
- as a Voice Pager in Tourists Guided Tours
- as a Voice Pager in Conferences, Meetings, etc.
- as a Voice Pager in traditional Paging Systems (in stores, hotels, restaurants, resorts, factories, warehouses, offices, shops, etc.) and wherever a same message from a main transmitter must be received by either one or more groups of persons or by a single person.

The pager operates in the PMR-446 (8 channels) and LPD-433 (69 channels) UHF FM bands. 38 CTCSS codes, call vibration alert, earset or built-in speaker and more features are included. Band, channel and all other functions are fully programmable by the system manager in the PROGRAM mode. Please read the following operating instructions before using the radio.

KEYS AND CONTROLS

1. Earset / Charge Jack
2. Holes for Necklace
3. UP Key
4. DOWN Key
5. Built-in Speaker
6. Desk Charger Contacts
7. MENU / Monitor Key
8. ON-OFF Key
9. Backlighted LCD

LCD DISPLAY

A. Channel Number or Volume Level
B. CTCSS Code Number
C. BUSY Icon
D. Vibrator Alert Icon
E. Keypad Lock Icon
F. CALL Alarm Icon
G. Battery Level Indicator

BATTERY INSTALLATION

1. Remove the locking screw (12).
2. Remove the Belt Clip (10)
3. Slide down and remove the battery door (11).
4. Install 2 x AA size batteries. Please respect correct polarity.
5. Re-install the battery door (11).
6. Re-install the Belt Clip (10)
7. Re-install the locking screw (12).

BATTERY CHARGING / 230VAC WALL ADAPTOR CHARGER (Mod. AC-600)

When the battery capacity is low, the Battery Level Indicator (G) blinks. Recharge batteries at this time. When the battery capacity is low, switch OFF the pager and connect the wall charger to the CHARGE jack (1), then plug it to a 230VAC outlet ; the Battery Level Indicator bars (G) will blink indicating that the wall charger is connected to the pager and that the charging process is running. To obtain the maximum performance from the batteries, recharge them only when they are fully discharged. The approximate charging time with 2 x 1500 mAh Ni-MH batteries is 8-12 hours, depending on the batteries condition. **When the charging time has expired, unplug the wall charger from the AC outlet and then disconnect it from the pager.**

BATTERY CHARGING / MULTIPLE DESK CHARGER (Mod. MDC-600)

Please refer to the instruction manual supplied with the Multiple Desk Charger.

WARNING !

1. **If the product will not be used for a long period of time, please take out the batteries.**
2. **Please dispose of old or defective batteries in a safe and environmentally friendly manner.**
3. **Do not dispose of batteries in fire.**
4. **Do not recharge batteries for more than 12 hours, to avoid overcharge or overheating, which could damage the radio.**
5. **Do never try to recharge alkaline batteries, as this might cause damage to the radio or explosion of the batteries.**
6. **Do not use chargers or accessories others than the original ones, otherwise damage to the radio may occur.**

BASIC OPERATION - USER MODE

When radio is turned ON, it always sets in the USER MODE. In this mode, user can only operate the following basic functions, in order to avoid entering any wrong command or change the radio settings and programming.

Power ON/OFF
1. Switch ON the radio by pressing and holding the ON-OFF (8) key for about 2 seconds.
2. The LCD Display (9) will shortly show the Channel Number (A) and the CTCSS Code Number (B).
3. Then the LCD Display (9) will show the selected Volume Level (A) (from level 01 to 08), the Battery Level (G) and the Keypad Lock icon (E).
4. To switch OFF the radio, press and hold the ON-OFF (8) key for about 2 seconds.

Volume Level Setting
Adjust the Volume to the desired level, pressing the UP (3) or DOWN (4) keys while listening to an incoming communication.
The desired Volume Level (A) will appear on the LCD Display (9).

Monitor Function
Press and hold the MENU/MONITOR key (7) for about 2 seconds to activate the Monitor function. This function opens temporarily the Squelch in order to listen to the background noise and to any weak signal. This function is convenient to monitor any incoming communication on the operating channel. If the Monitor function is enabled, the BUSY Icon (C) appears on the LCD Display (9). To disable the Monitor function, release the MENU/MONITOR key (7).

Earset Operation
1. Connect the external earset to the earset jack (1).
2. Adjust the Volume to the desired level.
3. The built-in speaker (5) is disabled when the earset is connected.

Always set the volume to the minimum level before connecting an external earset, in order to avoid damaging the earset or the user's ear. Gradually increase the volume level while wearing the earset and listening to an incoming signal.

CALL Function / CALL Memory

The Pager can receive and store in memory an incoming CALL signal, if this CALL signal was transmitted by a transmitter/transceiver type DRS-5070 (desk type station) or SL-02 (handheld station).

When a CALL signal is received, a CALL tone is heard and the CALL icon (F) blinks on the LCD (9). The CALL icon (F) will continue to blink in order to inform the user that a CALL signal was received by its pager and it will stop blinking when the MENU/Monitor key (7) will be pressed.

ADVANCED FUNCTIONS - PROGRAM MODE

Pager may be programmed by the system manager in the PROGRAM MODE. The following functions are programmable only in the PROGRAM MODE. In the normal USER MODE, the user cannot access, program or modify any of these functions, in order to avoid entering any wrong command or change the settings programmed by the system manager.

1. Channel selection (PMR channels P1-P8) (LPD channels 01-69)
2. CTCSS Code selection (from 0 to 38)
3. VIBRATION Alert

To enter the PROGRAM MODE, proceed as follows :

1. Switch OFF the radio.
2. Switch ON the radio by pressing simultaneously the ON-OFF (8) and the MENU/MONITOR (7) keys, until radio is ON.
3. The Keypad LOCK icon (E) will disappear from the LCD (9).
4. Press the MENU/Monitor (7) key several times to scroll the various programmable functions.

Switch OFF the radio to exit the PROGRAM MODE.

Channel Selection
1. In the PROGRAM MODE press the MENU/Monitor Key (7) until the Channel Number (A) blinks on the LCD (9).
2. Press the UP (3) or DOWN (4) keys to select the desired channel number (PMR channels P1-P8) (LPD channels 01-69). Press and hold the UP (3) or DOWN (4) key, to advance the channel selection quicker.
3. To confirm and store the selection, press the ON-OFF (8) key or press the MENU/Monitor (7) key to move to the next function.

LPD Channels Table

FREQ.	CH	FREQ.	CH	FREQ.	CH	FREQ.	CH
433.07500	1	433.52500	19	433.97500	37	434.42500	55
433.10000	2	433.55000	20	434.00000	38	434.45000	56
433.12500	3	433.57500	21	434.02500	39	434.47500	57
433.15000	4	433.60000	22	434.05000	40	434.50000	58
433.17500	5	433.62500	23	434.07500	41	434.52500	59
433.20000	6	433.65000	24	434.10000	42	434.55000	60
433.22500	7	433.67500	25	434.12500	43	434.57500	61
433.25000	8	433.70000	26	434.15000	44	434.60000	62
433.27500	9	433.72500	27	434.17500	45	434.62500	63
433.30000	10	433.75000	28	434.20000	46	434.65000	64
433.32500	11	433.77500	29	434.22500	47	434.67500	65
433.35000	12	433.80000	30	434.25000	48	434.70000	66
433.37500	13	433.82500	31	434.27500	49	434.72500	67
433.40000	14	433.85000	32	434.30000	50	434.75000	68
433.42500	15	433.87500	33	434.32500	51	434.77500	69
433.45000	16	433.90000	34	434.35000	52	-	-
433.47500	17	433.92500	35	434.37500	53	-	-
433.50000	18	433.95000	36	434.40000	54	-	-

PMR Channels Table

FREQ.	CH	FREQ.	CH
446.00625	P1	446.05625	P5
446.01875	P2	446.06875	P6
446.03125	P3	446.08125	P7
446.04375	P4	446.09375	P8

CTCSS Tone Selection

1. In the PROGRAM MODE press the MENU/Monitor Key (7) until the Channel Number (A) blinks on the LCD (9).
2. Press again the MENU/Monitor Key (7) until the CTCSS Code Number (B) blinks on the LCD Display (9).
3. Press the UP (3) or DOWN (4) keys to select the desired CTCSS Code Number. Press and hold the UP (3) or DOWN (4) keys to move the selection quicker.
4. Select the CTCSS Code **0** to disable the CTCSS function.
5. To confirm and store the selection, shortly press the ON-OFF (8) key or press the MENU/Monitor (7) key to move to the next function.

Notice : To receive messages from other radios, transmitters and receivers (pagers) must use the same channel number and the same CTCSS code number. Please refer to the channel and CTCSS frequency tables included in this manual.

CTCSS - TONE FREQUENCY CHART

No	Freq. (Hz)	No	Freq. (Hz)	No	Freq. (Hz)	No	Freq. (Hz)	No	Freq. (Hz)
OF	CTCSS OFF	08	88,5	16	114,8	24	151,4	32	203,5
01	67,0	09	91,5	17	118,8	25	156,7	33	210,7
02	71,9	10	94,8	18	123,0	26	162,2	34	218,1
03	74,4	11	97,4	19	127,3	27	167,9	35	225,7
04	77,0	12	100,0	20	131,8	28	173,8	36	233,6
05	79,7	13	103,5	21	136,5	29	179,9	37	241,8
06	82,5	14	107,2	22	141,3	30	186,2	38	250,3
07	85,4	15	110,9	23	146,2	31	192,8	-	-

VIBRATION Alert

If this function is enabled, when a CALL signal is received, in addition to the CALL tone the pager will also vibrates for several seconds. This is specially useful in noisy locations, as a CALL tone alert may be missed.

1. In the PROGRAM MODE press the MENU/Monitor Key (7) until the Channel Number (A) blinks on the LCD Display (9).
2. Press again the MENU/MONITOR Key (7) a few times until the Vibration icon (D) blinks and the **oF** icon (A) (function disabled) or the **on** icon (A) (function enabled) will appear on the LCD (9).
4. Press the UP (3) or DOWN (4) keys to enable (**on**) or disable (**oF**) the Vibration Alert function.
3. To confirm and store the selection, shortly press the ON-OFF Key (8) or press the MENU/Monitor Key (7) to keep scrolling the other menu functions.

SPECIFICATIONS

Channels	8 PMR 446 Channels / 69 LPD 433 Channels
CTCSS Tones	38 CTCSS Codes
Operating Frequency Range	446.00625 - 446.09375 MHz (PMR Band) 433.07500 - 434.77500 MHz (LPD Band)
Power Source	2.4V (2 x AA 1,2V 1500mAh Ni-MH Rechargeable Battery) 3.0V (2 x AA 1,5V Alkaline Battery)
Audio Output	860 mV (16 ohm)
Dimensions	H85 x L60 X D36 mm
Weight	gr. 110 (battery included)

IMPORTANT INFORMATION

Important !

Changes or modifications to this product could void your authority to operate this unit. Any adjustment to your radio must be made by a qualified authorized technician or service station. Never open the cabinet of your radio. Never change or replace anything in your radio (except batteries).

Hazardous Environments

Do not operate the radio in hazardous environments. Do not keep radio under direct rain.

Care and Safety

To clean the radio, use a soft cloth dampened with water. Do not use cleaners or solvents because they can harm the body of the unit and leak inside, causing permanent damage. Use a dry, lint-free cloth to clean the battery contacts. Do not submerge the unit in water or use it on a wet environment. If the unit gets wet, turn it off and remove the battery immediately. Dry the battery and the battery compartment with a soft cloth to minimize potential water damage. Leave the battery compartment cover off overnight to ensure complete drying. Do not use the radio until it is completely dry.

Battery Operation / Wasting

Dispose of battery in the proper manner, according to federal, state and local regulations that apply in your area. A battery may leak electrolyte if it is mixed in a set with different battery types, if inserted incorrectly, if disposed of in fire, or if an attempt is made to charge a battery not intended to be charged. Discard leaky batteries immediately. Leaking batteries can cause skin burns or other personal injury.

Warning !

The use of this device may be subject to national restrictions or regulations. Check your local authority or dealer before purchasing and using this product.

User Information

In accordance with art. 13 of the Legislative Decree of 25th July 2005, no. 15 "Implementation of Directives 2002/95/EC, 2002/96/EC and 2003/108/EC, relative to reduction of the use of hazardous substances in electrical and electronic equipment, in addition to waste disposal". The crossed bin symbol shown on the equipment indicates that at the end of its working life the product must be collected separately from other waste. The user must therefore take the above equipment to the appropriate differentiated collection centres for electronic and electro technical waste, or return it to the dealer when purchasing a new appliance of equivalent type, in a ratio of one to one. Appropriate differentiated waste collection for subsequent recycling, treatment and environment-friendly disposal of the discarded equipment helps to prevent possible negative environmental and health effects and encourages recycling of the component materials of the equipment. Illegal disposal of the product by the user will be punished by application of the administrative fines provided for by the legislative decree no. 22/1997 (article 50 and following of the legislative decree no. 22/1997).

DECLARATION OF CONFORMITY

EC Certificate of Conformity
(to EC Directive 2006/95, 2004/108, 99/5)

DECLARATION OF CONFORMITY

With the present declaration, we certify that the following products :

INTEK RP-600

comply with all the technical regulations applicable to the above mentioned products
in accordance with the EC Directives 2006/95/EC, 2004/108/EC, 99/5/EC.

Type of product :	Communication LPD / PMR446 Receiver
Details of applied standards :	EN 300 220-2 V2.1.2 (essential requirements) EN 301 489-1-3, EN 300 296-2 (essential requirements) EN 301 489-5 EN 60065
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Segrate, 28/07/2009

dr. Vittorio Zanetti

(General Manager)