

Zartek Radio intercom ZA-620

NEW VERSION WITH ZA-758 RADIO INSIDE

Includes:

1 x Radio intercom with metal housing , mains or 12V power supply

FEATURES

- **Single Channel**
- **Reliable Wireless audio communication**
- **Rain proof casing**
- **Extra long distance**
- **Links to Multiple Portable handsets**

OVERVIEW

The **radio intercom** is based on the Zartek ZA-758 two-way radio which has been modified with an extended CALL and PTT button, external power and a weather proof casing. **Install** by a gate, receiving bay, house entrance, internal intercom etc and communicate with other radios set on same channel.

Compatible radios are **Zartek ZA-620, ZA-705, ZA-708, ZA-725, ZA-748, ZA-758** and **Pro8, Pro5 & COM8** radios which are available separately.

There are 16 pre-programmed channels (see included manual for details) which are all on licence-free frequencies. On factory settings it is compatible with **Zartek ZA-725, ZA748 ZA-705, ZA708, ZA-758** and **Pro8, Pro5 & COM8** radios. For example, to link it with a COM8 radio, select channel 1 on the ZA758 radio inside the ZA620 box and choose big number 1 small number 10 on the screen on the COM8 using MENU and arrow buttons. An optional PC programming kit, GE254, is available to set more private channels.

As many ZA620 and radios can be linked on a channel to call or be called. The fixed ZA620 offers a reliable audio solution for factories, warehouses security, managers and receiving personnel when deliveries or visitors arrive.

Outside installation is possible as the rugged casing is splash and rain proof to protect the radio from the elements and vandals. Remove rain droplets from speaker by wiping with a cloth as the water will block the holes and lower the volume. **Range** is typically 300m-800m in built-up areas and 1-4 km in open flat terrain. For further range, an optional external antenna kit, GE-263, with “L” bracket and 8m cable can be connected as the antenna is detachable. **Back-up battery** power is automatically used in case of loss of mains power. The battery is rechargeable and will power the intercom for 24hours. If there is only **12V supply** available, there is a vehicle type 12V input to 5V output adaptor that could be used, code is GE-279.

INSTALLATION

1. **Choose** a location for the intercom and test the range. **Be sure to screw in the antenna to the socket on the top of the metal box before using.**
2. Ensure battery is fully charged on both the radio intercom and the radio handsets. If the ZA620 battery is flat, it will announce to recharge and only stop announcement after a few hours if left on.
3. **Mount** the radio intercom on a wall or gooseneck. Bolt the casing with 4 wall screws. Range and performance will be decreased if there is metal near the intercom. Do not shield the intercom with any metal cover and do not install with 1m of metal walls, gates, electric fences and other metal obstructions. The antenna must not be covered.
4. Plug-in **mains adaptor (5V output)** and extend the wire if needed. To extend the wire, cut the wire and remember to observe polarity as this gets plugged into the side of the battery directly. Only use the supplied charger for powering the radio.
5. **Or** plug-in the **12V adaptor plug (5V output)** into the side of the battery. This adaptor can be fitted inside the metal box towards the left top side behind the antenna cable and top knobs of radio. Only extend the 12V wires (and not the wire that plugs into radios battery) if needed, and remember to observe polarity.
6. Select a free **channel**, one which is not used by others in the area.
7. Turn **volume** to full.
8. **Fit** radio into casing and slide **front plate** into upper lip to close the case. Be careful not to damage or pull out any wires when closing the front lid.
9. **Test** that radio can communicate to other radios set on same channel.
10. **Screw** in bottom screws until the supplied 3mm key.

ZA-758

Zartek™

TWO-WAY RADIO



Default Channel Programming

Channel	Frequency	Tone	Channel	Frequency	Tone*
1	1	10	9	1	OFF
2	2	10	10	2	OFF
3	3	10	11	3	OFF
4	4	10	12	1a	15
5	5	10	13	2a	15
6	6	10	14	3a	15
7	7	10	15	4a	15
8	8	10	16	5a	15

* Tone is used to add privacy. Always match channels exactly when linking to other radios. Different channels and functions can be programmable by PC.

446 MHz BAND		464 MHz BAND	
Channel	(MHz)	Channel	(MHz)
1	446.00625	1a	463.975
2	446.01875	2a	464.125
3	446.03125	3a	464.175
4	446.04375	4a	464.325
5	446.05625	5a	464.375
6	446.06875		
7	446.08125		
8	446.09375		

Additional Functions:
(PC Programmable)
Scan / Priority Scan
Battery Level Indicator
Emergency Alarm Siren
Announce Channel
PTT ID DTMF on RX / TX
Squelch Level Indicator
Scrambler / Descrambler
Companer Noise Reduction



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OPTIONAL

External Antenna Range Extender

- (GE-263) House kit with bracket incl. 8m cable



- (GE-254) PC Programming cable USB



TROUBLE SHOOTING

No communications:

- Check channels and radio compatibility;
- Ensure power is on and volume full,
- Radio may need to be reset by switching power off the on again.

Interference:

- Change channels to ones with less activity or reprogram the radio to other channels.
- The batteries may be faulty and should be changed

LONG RANGE REMOTE CONTROL OPTIONS

GE-TX1: 1 Button key ring Remote Control, Code Hopping (More button remotes are available)

GE-RX1: 1 Channel Receiver 400m, code-hopping (4 channel receivers and lower range 1 channel receivers are available)

GE-S4: 4 Channel Transmitter 1 km, Fixed unit: Code hopping. (push button needed to trigger)

A **Repeater** will accept a signal transmitted from a remote control or other transmitter (GE-S4) and re-transmit to the receiver.