



REM.I
User's Manual
Version 1.1
---English---

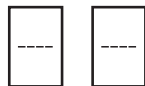
PRELIMINARY

Safety Instructions



- To reduce the risk of electric shock and potentially damaging the equipment, do not disassemble the product. No user serviceable parts inside; refer servicing to qualified personnel.
- These installation and operating instructions should be read in conjunction with the instructions supplied with your Alto Mobile audio processor. Retain for future reference.
- Take care to install or position the Alto Mobile remote control device in a location which will not interfere with the operation of the vehicle or its controls, or distract the driver's attention. Take care to route the cable carefully in order to avoid restricting movement of moving parts (i.e. steering column, brake, clutch and accelerator pedals, seat positioning mechanisms etc.).
- The equipment should be protected from moisture, rain and heat. Do not leave the remote control unit on the dashboard in bright sunlight - in extreme conditions the casing and/or internal assembly could become deformed.
- The Alto Mobile remote control unit is designed exclusively for use with the Alto Link (A-Link) system featured on certain models within the range of Alto Mobile's digital signal processors. Please check model compatibility with your dealer. Do not attempt to use the Alto Mobile remote control device with any other product, even if the connector plug physically fits. The pin wiring and data protocols used in A-Link will not be compatible with other products and could cause damage to both products.
- This product is designed for vehicles with a 12 VOLT NEGATIVE GROUND electrical circuit. This product is not suitable for vehicles that use a 24 Volt supply or a positive ground electrical circuit. Connection to such circuits may permanently damage the unit.
- Great care must be taken when wiring the base station to the vehicle's electrical system. Unless you are fully familiar and trained in wiring automotive electrical systems, installation should only be undertaken by a qualified automotive electrician.
- For details of your **ALTO Warranty**, please refer to the warranty terms within the User's Manual supplied with your Alto Mobile audio processor.

At power-on, the Alto Mobile REM.1 Remote Control executes an initialization phase and verifies the device connected through the A-LINK port. The display will show as follows:



This phase lasts about 10 seconds. After that, if no audio processor is connected or if a problem is detected on the A-LINK, the display will show the **LE** message (Link Error).



If all checks are OK and an audio device is detected, the REM.1 display will show the preset number currently selected on that device, i.e. Preset 02.



Using the **Up** and **Down** keys it's possible to scroll through all the available presets. To load the desired preset, press the **Enter** key. During the loading phase, the display will show as follows:



If the selected preset is an empty *User Preset*, the **EP** (Empty Preset) message will be shown.



A-Link Remote Controller Operating Instructions



The preset loading time will vary according to the controlled device. For the *Dynamate* and *Sub 16* models this time is less than a second, while for *Control 8*, *Control 16* and *UCS* it varies between 3 and 4 seconds.

If the user executes commands directly on the controlled machine while the remote control is connected, the REM.1 will auto-sense this editing mode and the display will show the message **rE** (Remote Edit). The REM.1 keyboard will then remain disabled for 20 seconds starting from the last key pressed on the controlled device.



Error & Warning Messages

LE: Link Error. Indicates a connection problem: controlled machine not connected or A-Link not working.

EP: Empty Preset. The user selected an empty *User Preset* (Control 8, Control 16 and UCS only).

rE: Remote Edit. The user is editing parameters of the controlled device locally. This is sensed automatically. Remote preset selection is temporarily disabled.

bp: System Bypass. The remote machine is in BYPASS mode.

Xx: Preset Number

-- : Processing... The Alto Mobile device is loading or initializing a preset.

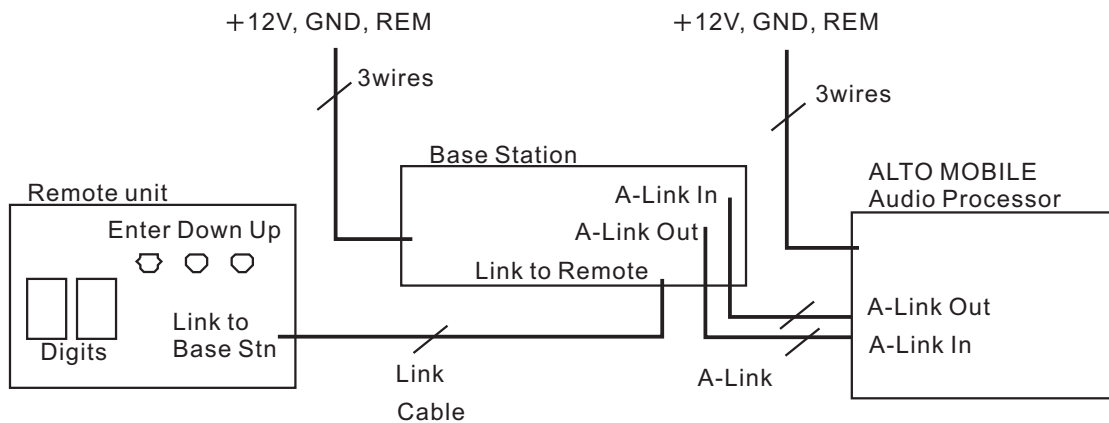
Ground Lift Switch

The GND/LIFT pushbutton on the Base Station allows the signal ground to be tied to the vehicle ground OR isolated from the vehicle ground. It can be useful for correcting audio system grounding problems. This will only need to be set if you notice a problem, such as engine interference noise or unexpected operation of the REM.1.

We recommend that you have this unit professionally installed. The installation instructions in this manual are for guidance only and are not intended to be a thorough explanation. The instructions assume that the person installing the equipment has been trained to carry out such work.

The REM.1 A-Link Remote Controller comes in 2 pieces: a base station designed to be mounted close to the Alto Mobile audio processor, and the handheld remote control. The base station must be connected to the vehicle's 12V power supply. It also requires a 12V switch-on pulse to its REM terminal - this is derived from the car audio CD or tape player but can usually be more easily supplied by 'daisy-chaining' a line from the REM terminal of your Alto Mobile audio processor or power amplifier.

REM.1 Remote Control Connection Map



Base Station Specifications



A-link to ALTO MOBILE signal processor
Data Connection Type, Operating Level:
Cable Shield Grounding:

Digital, optical coupling, 5V Level
To vehicle GND or floating (selectable)

A-link Base Station to REM.1 handset
Data Connection Type, Operating Level:
Cable Shield Grounding:

Digital, bidirectional, 5V Level
To vehicle GND

Power Supply Type:
Power Supply Voltage:

Servo-controlled, heavy-duty stabilized
11Vdc - 15Vdc

Supplied Accessories

A-Link cables
Base Station to Handset cable (10m)

x 2
x 1

IMPORTANT: To avoid damaging the plug and socket pins, do not use excessive force when attaching the cables. Before applying pressure, carefully check the correct orientation of the plugs in the sockets as follows:

A-Link cable plugs:

flat side should be facing up.

Handset connecting cable:

insert with the plastic release clip at the bottom.

Display:	2-digit LED (red)
Keyboard:	3 user keys
Data Connection:	Digital, bidirectional, 5V Level
Cable Shield Grounding:	To vehicle GND
Power Supply	9V, derived from Base Station through A-Link

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