

# Learning Remote Control Keypad Instruction Manual



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### 5 Coloured Buttons (Red, Yellow, Green and Blue)

- Each button can learn a single command mode (1) selection. (Not mode sensitive).

### 6 Control Buttons

- Learning buttons to control audio source components (see section 5c). Each button can learn four codes, one for each mode. When modes are selected (1) the 5 control codes (6) change accordingly.

Note: You can list your sources/devices on the rear of the remote control keypad.

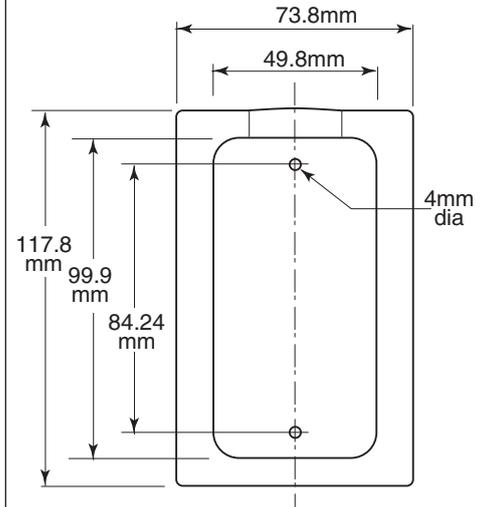
Examples:-

Source:	Device:
1. DVD/CD	1. Power
2. Tuner	2. Air Con
3. TV	3. Fans
4. iPod	4. Blinds

### 7 Talk back LED (Red)

Flashes when a command is generated.

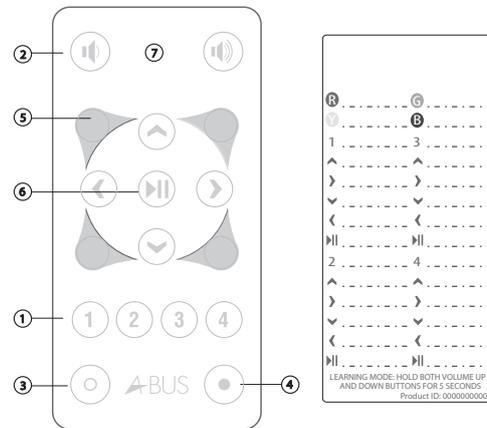
- Learning mode - Flashes when in learning mode. Constant while learning command.



## 1 Welcome

Your remote control keypad has been designed to provide simple and easy control of your A-BUS multi-room audio system. It includes standard A-BUS control commands and additional keys so you can learn commands to control your personal source equipment. The keypad can be used as a hand held remote control and can be magnetically attached to a metal surface such as a fridge, or as a wall mounted keypad with the cradle supplied.

Before encoding your remote control keypad, please take time to read this instruction manual carefully.



## 3 Infrared Transmission

The transmission of commands is directional and the remote control will perform best when it is pointed directly at the infrared lens on the power module (infrared equipped models only) or A-BUS/DIRECT master speaker (identified by a red lens on the grille). This device has been designed for operation in high light areas; however, sunlight and lighting

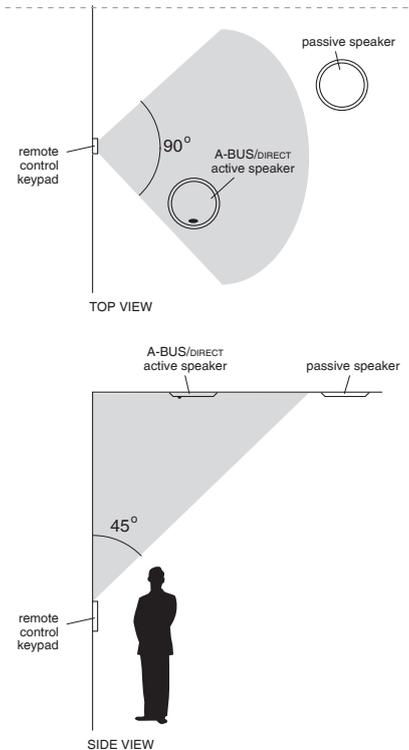
with high infrared emissions will reduce the operating range. In ideal situations the remote control can have an operating range of up to 20 meters (60 feet), in direct sunlight the operating range can be reduced to less than 5 meters (15 feet). Also the operating range of infrared codes can vary.

## 4 Mounting

Before mounting your cradle, test the desired location to ensure the remote control keypad will operate reliably when mounted in the cradle. The cradle has a reflector at the top for the emitter to disperse signals across the room and up towards the ceiling; however, the operating range will largely be dependant on the angle of operation.

### Mounting your cradle

Dimensions:  
 Cradle: 73.8mm x 117.8mm x 10mm  
 2.91" x 4.64" x .39" (WHD)  
 Remote: 49.8mm x 99.9mm x 7.8mm  
 1.96" x 3.93" x .31" (WHD)



## 2 Features

### 1 Mode Buttons

The four mode buttons have multiple functions:-

- Allows your audio sources to be selected from multi-source A-BUS hubs. (Codes are permanently embedded).
- Mode selector to change control codes (6) for each controlled device.
- System ON (any button 1 to 4). (Multi-source hubs and input selector only).
- Each of the source buttons is learning capable (See section 5b).

### 2 Volume buttons

- A-BUS volume Up/Down buttons
- Learning mode. Hold both buttons down for 5 second unit red indicator light flashes (See section 5a).

### 3 Room On/Mute

- Mutes room only
- Room re-activates when a volume button is pressed.

### 4 System Mute

- All rooms mute (multi-source only).

### Adhesive Mount

Before applying cradle to the wall, make sure the surface where you wish to apply the cradle is flat. Remove dust, dirt and clean any oily surface residue. These will reduce adhesion.

To ensure the cradle is mounted level, a spirit level is recommended. Remove the adhesive tabs, align to the desired location and apply pressure. For best results allow for overnight adhesion prior to placing the keypad in the cradle.

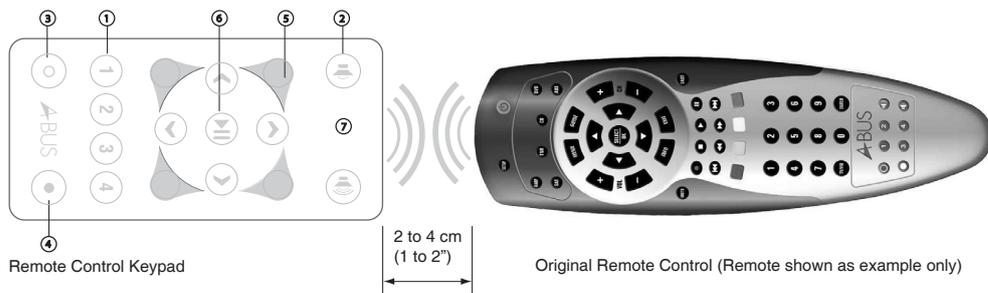
### Screw Mount

Two screws are provided to fix the cradle to the wall. See included template for screw location.

### Magnetic attachment

The remote control keypad is magnetically attached to the cradle. It can also be attached to a metal surface such as a fridge.

## 5 Learning Commands



Note: This remote control keypad will learn most normal infrared commands using 38kHz and 56kHz carriers from typical remote control handsets. Some manufacturers codes do not comply with common infrared standards and may be difficult or impossible to learn and repeat.

Warning: Learning should not take place in bright areas exposed to sunlight or low voltage lighting containing high levels of infrared light.

### Learning

Place the remote controls 2 - 4 cm (1" - 2") apart.

#### 5a Entering Learning Mode

To enter the learning mode: - Press both volume Up and Down (2) buttons simultaneously, for 5 seconds until the red LED starts flashing. (7)

There are three groups of learning buttons:-

#### 5b Mode buttons (1)

Source selection (1) codes can be learnt into the Mode buttons.

(These buttons will also transmit A-BUS source selection commands)

- Enter learning Mode (5a)
- Select and press desired "Mode" button (1)
- Press and hold the command you wish to learn from the original remote control
- On learning the code the "Talk Back LED" is constant for 3 seconds (7)
- Select another button and repeat or exit learning mode

Note: Learning will start when command is received. Do not hold button down on remote control keypad.

#### 5c Control Buttons (6)

When the Mode (1) is changed the control codes change. (5 commands can be learnt for each of the 4 Modes)

- Enter learning Mode (5a)
- Select and press desired "Mode" button (1)
- Select Control button
- Press and hold the command you wish to learn from the original remote control
- On learning the code the "Talk Back LED" is constant for 3 seconds (7)
- Select another button and repeat or exit learning mode

Note: Learning will start when command is received. Do not hold button down on remote control keypad.

#### 5d Coloured Buttons (5)

Each of the 4 coloured buttons will only learn one command and are independent of mode selection.

- Enter learning Mode (5a)
- Select and press desired coloured button (5)

- Press and hold the command you wish to learn from the original remote control
- On learning the code the "Talk Back LED" is constant for 3 seconds (7)
- Select another button and repeat or exit learning mode

Note: Learning will start when command is received. Do not hold button down on remote control keypad.

### 5e Exit Learning Mode

To Exit the Learning Mode: - Press Press both volume Up and Down (2) buttons simultaneously, for 5 seconds until the red LED (7) starts flashing.

Note: Learning mode will cancel after 20 seconds of inactivity.

### Learning Troubleshooting

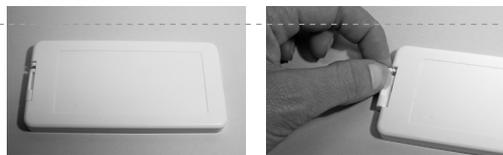
An invalid IR code may be received by the remote control keypad due to the following conditions or combinations:

- Remotes are positioned too far apart
- Remotes are positioned too close together
- Remotes are not aligned
- Learning is performed near strong source of infrared signal
- Learning is performed in strong sunlight
- Learning is performed in strong artificial light
- Codes may not comply with common infrared standards

Please adjust positioning of the remotes and repeat learning process.

## 6 Battery

### Battery Installation



1. Place backside of cradle face up



2. Pinch sliding tab and pull battery cage out simultaneously



3. Remove battery from packaging



4. Insert battery + side face up



5. Insert to "click" sound for complete close

Battery life will vary according to its use, age and quality of the battery. For optimal operation it is recommended the batteries are replaced periodically. If the remote is not to be used for an extended period, it is recommended that the batteries are removed.

Note: It is recommended that a replacement battery be obtained from a local supplier as a reserve. Battery replacement model #2032.

### Battery Disposal

Lithium batteries are recyclable. You can help preserve our environment by returning your battery to a recycling location near you.

Caution: Do not handle leaking or damaged batteries.

## 7 Warnings and Warranty

Please read these cautions carefully:-

### Warnings:-

The remote control keypad:-

- Is not water proof, please take care to keep it out of humid environments as this may cause damage or reduce its operational life
- Should be kept out of direct sunlight
- Should be kept away from extreme temperatures
- The operating temperature is 5-30C (41-90F)

### Remote Control Keypad:-

The remote control keypad is warranted against manufacturing defects for a period of 12 months. If faulty it should be returned to the supplier prepaid.

### Battery:-

No warranty

### Replacement

Replacements of remote control keypads can be purchased from your supplier.

Batteries can be obtained from local battery suppliers.

# A-BUS®

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