

# CS-5

## CALL STATION

### FOR RZ45 AUDIO MATRIX

Item ref: 953.049UK

### User Manual

Version 1.1



Caution: Please read this manual carefully before operating  
Damage caused by misuse is not covered by the warranty

## Introduction

The Adastra CS-5 call station is designed specifically to operate with the RZ45 Remote Zoning Audio Matrix. Please read through the following information to avoid incorrect operation and keep this manual for future reference.

## Safety

- Only connect as described directly to the RZ45 main unit via 8P8C (RJ45) connection
- For extended power, use only a regulated 24Vdc power supply

## Placement

- The CS-5 is a free-standing unit and should be placed on a solid, stable surface.
- Ensure adequate space behind the panel for the RJ45 connector and any other connected wiring
- Keep the housing and connections protected from moisture and dust ingress

## Cleaning

- Use a soft cloth with a neutral detergent to clean the front panel as required
- Do not use solvents for cleaning the unit

## Connections & controls

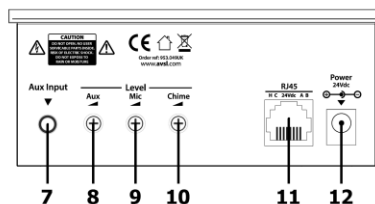
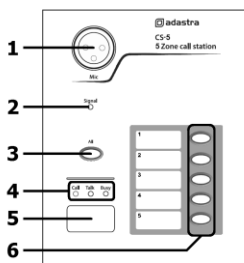


TABLE 1

DIP	CHIME FUNCTION
1/2/3	Trigger ON Trigger OFF
4/5/6	NC
7/8/9	Ascending 1 Descending 1
10/11	Ascending 2 Descending 2 (slow)
12/13	Ascending 3 NC
14/15	Ascending 4 NC
16/17	Descending 1 NC
18/19	Descending 2 NC
20/21	Descending 3 NC
22/23	Descending 4 NC

- |   |                                     |    |                            |
|---|-------------------------------------|----|----------------------------|
| 1 | Gooseneck microphone XLR connection | 7  | Auxiliary line input       |
| 2 | Signal indicator                    | 8  | Auxiliary line level       |
| 3 | Select all zones                    | 9  | Mic level                  |
| 4 | Status indicators                   | 10 | Chime level                |
| 5 | Call button                         | 11 | RJ45 connection to RZ45    |
| 6 | Zone select buttons                 | 12 | DC power input             |
|   |                                     | 13 | Chime setting DIP switches |

## Setting up

Connect the CS-5 call station via network cable (11) to the RZ45 before powering up to avoid damage to the system. The CS-5 call station requires a separate 24Vdc supply if the network cable run is longer than 100m. This can enable the CS-5 call station to operate up to 1km away from the main RZ45 unit when 24Vdc power is supplied to it (12).

Connect the CS-5 gooseneck microphone to the base unit, ensuring that it is secured and properly connected (1).

The underside of the CS-5 base has DIP switches (13) to set the internal chime that is activated when a call is made.

There is a 3.5mm AUX input on the rear of the CS-5 base unit (7) with a dedicated volume control (8) .

Connect a line level audio source, such as smart phone or laptop, to play back recorded audio messages or music to paged zones.

Also on the rear of the base unit are volume controls for the call station microphone and internal chime (9, 10).

Once all connections are made, power up the RZ45 and connected equipment and set volume levels as required.

## Operation

To page to any combination of zones from the CS-5, select the zones on the zone select buttons (6) and the relevant LEDs will light. An "ALL" button is provided as a quick way of selecting all zones together (3)

When the required zones are selected, press the call button (5) and if a chime is set, this will be played to the selected zones. The CS-5 microphone will now be live to these zones and each zone will show "BUSY" on its TR86 remote and its audio will be muted.

The call status is confirmed by LED indicators above the call button (4)

Pressing the Page button again will deactivate the microphone and all zones will be reset back to the previous settings.

## Specifications

Power supply	24Vdc, 500mA from RJ45 or optional adaptor
Max. connection length	100m (CAT5 cable) or 1km with optional 24Vdc adaptor
Capsule	Back electret condenser
Polar pattern	Cardioid
Controls	Aux/Mic/Chime levels, chime DIP switches, zone/page buttons
Connectors	XLR, RJ45 to RZ45, 24Vdc power jack, 3.5mm aux in
Frequency response : -3dB	150Hz - 22kHz
Input level	Mic: -46dBV, Aux: -10dBV
Input impedance	Mic: 600 Ohms, Aux: 50k Ohms
Output level	10dBV
Output impedance : balanced	600 Ohms
S/N ratio	-60dB (all channels selected)
Interface	RS-485 control
Zone assign	5 zones, any combination
Dimensions	460 x 140 x 115mm
Weight	670g



**Disposal:** The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted. Copyright© 2021. AVSL Group Ltd.  
Unit 2-4 Bridgewater Park, Taylor Rd. Manchester. M41 7JQ*

*AVSL (EUROPE) Ltd, Unit 3D North Point House, North Point Business Park, New Mallow Road, Cork, Ireland*