



200S INSTALLATION INSTRUCTIONS

This system will run with or without a Master station.
When it is run without a Master station (ie room & door stations only), it is called a **Mini-com**.
Includes: with and without Master station, Camera and Monitor

STATION MEASUREMENTS

Cut Out Sizes:	Master – Large	180mm High x 205mm Wide.
	Room/Door – Medium	95mm High x 205mm Wide.
	Room/Door – Small	92mm High x 152mm Wide
Dimensions:	Master – Large	218mm High x 260mm Wide.
	Room/Door – Medium	135mm High x 260mm Wide.
	Room/Door – Small	115mm High x 175mm Wide

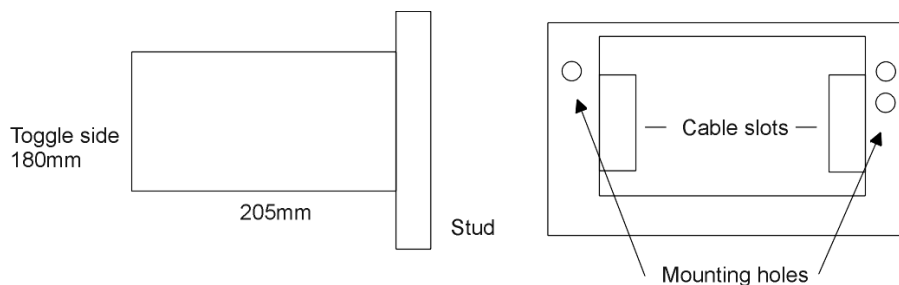
MOUNTING STATIONS

It is common to mount stations with one side against a stud, but if this is not practical, toggles may be used to mount the unit into the plaster at both sides.

Mounting the Master Station

The facia of the Master station is connected to the back-case with some cables. Care must be taken when mounting the Master Station not to break any of these cables.

The wires should be connected to the Master station before it is mounted.



Cut the appropriate sized hole in the plaster (see Station Measurements). Insert the toggle into the mounting hole then put the Master station into the hole. Screw one side of the Master back-case to the stud. Level the Master then tighten the toggle.

Mounting Room Stations

Cut the appropriate sized hole in the plaster (see Station Measurements). One side may be cut against a stud. Cut a notch for the toggle in the other side.

Remove the fascia from the Room station, and put the toggle into the mounting hole. Bring the wire through the cable slot and insert the back-case into the hole. Level the Room station then tighten the toggle.

If the Room Station is to be mounted in brickwork, see **Mounting Door Stations** for details.

Mounting Door Stations

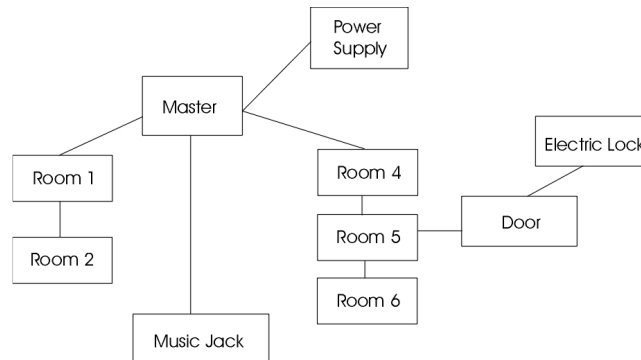
Usually the Door station will be mounted in brickwork. A wall box is supplied when this is the case. Cut brickwork to fit wall box.

Remove the Door station fascia. Bring the cable through the cable slot and screw the back-case to the wall box.

CABLING

The cable that must be used is Cat 5.

If this cable is not used the system will not perform to full capacity. The system should be branch wired from the Station connected to the Power Supply. An example of branch wiring is shown below:



It is not recommended that the number of Stations exceed four on each branch. Cables should **not** be run parallel to other cables such as power or data cables. There should be at least a 200mm gap between the intercom cables and other cables.

The power should be wired to a Station that is relatively central to the system. The maximum length of cable between units **should not exceed** 100m.

The Stations should **not** be less than **four** metres apart and the Power Supply should **not** be located in an area subjected to high temperatures such as the roof.

If an Electric Lock is to be connected to the system a Figure 8 cable should run from the Door station to the Lock.

Connection of the Power Supply

Power is supplied to the central unit which is usually the Master unit in a full system or the central Room station in a Minicom system.

Terminal 1 is positive. Terminal 2 is Negative.

VIDEO POWER SUPPLY

If the system has a monitor (Video Unit) then a Video Power supply should be used. This should be terminated at the central station (usually the Master Unit) Positive to Terminal 1, negative to Terminal 2.

DJ POWER SUPPLY

If the system includes a Master Unit and does not include a monitor, the DJ Power supply should be used. This should be terminated at the central station (usually the Master Unit).

Positive to Terminal 1, negative to Terminal 2 (trace is negative).

MINI POWER SUPPLY

When the system does not include a Master Unit or a monitor the Mini Power Supply can be used.

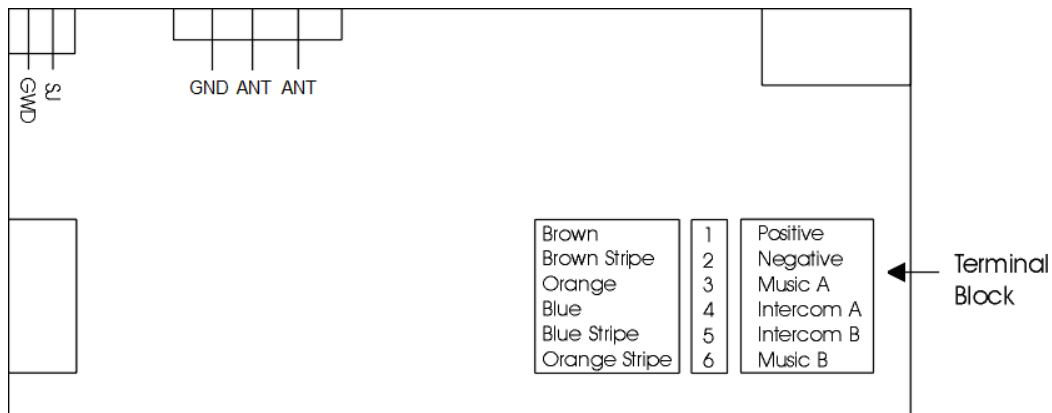
Once all the Stations have been connected, power can be applied to the system. Do not turn power on until all Stations have been connected. The Power Supply should be located in an easily accessible location such as a cupboard or pantry. A power point is required for the Power Supply. Do not install in hot areas such as ceilings.

Connecting Cables to the Master Station

Door bell volume at the Master is adjusted with the pot, located on the lower rear PCB inside the Master.

The terminal block is located on the back of the Master Station near the bottom right hand corner. There are six terminals on the 200S Master. These are connected as per the Room Station instructions.

The terminals are colour coded to match Cat 5 cable.



There is a terminal block on the rear of the Master labelled ANT ANT GND. Installation instructions are provided with your AM Loop Aerial.

AM Aerial

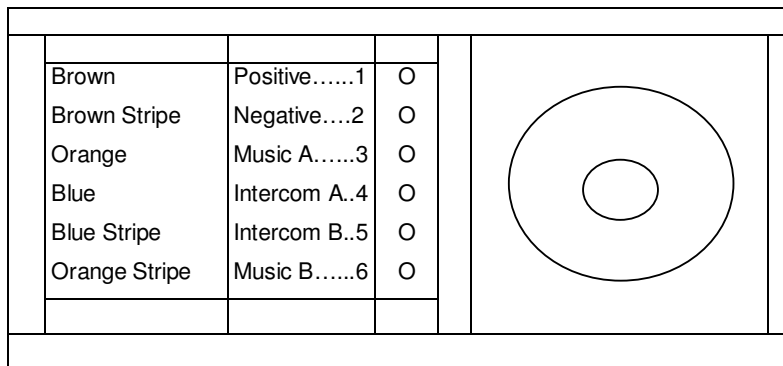
Connect the centre core of the coaxial cable supplied with the Loop Antenna to the ANT terminal and the braid to the GND terminal. This becomes a directional AM aerial.

FM Aerial

Use a figure-8 cable of approximately 90cm in length and run this along the wall or inside the wall cavity. Connect one end to remaining terminal marked ANT.

Connecting Cables to Room Stations

The terminal block is colour coded to match Cat 5 cable. Incorrect connection of the cable may cause damage to the Stations or incorrect operation.



NOTE: Terminals 3 & 6 and 4 & 5 must each be a twisted pair. Do not use a twisted pair for 3 & 4 and 5 & 6.

On the back of the facia is the speaker and printed circuit board. The terminal block is located near the speaker on the printed circuit board. To the left of the terminal block are the numbers 1 to 6. Strip the cable approximately 200mm. The cable will have four pairs of wires. Only three pairs are used.

Connecting Cables to the Door Stations

The connection of the Door Station is the same as the connection of the Room Station, with the exception of the Lock connection. If a lock is not fitted, the connection is identical. If a Lock is to be fitted, connect the wires to the 2 lock terminals labelled 7 and 8.

The Pot located on the Door Station PCB is the adjustment for both the chime and the audio volume at the Door Unit only.

Connection of an Electric Lock

If an Electric Lock is to be connected to the system it must be connected to the Door station. The Door station has two additional terminals for the lock. Information regarding Electric Locks should be obtained when purchasing the lock.

Maximum current output is 1A for five seconds. A Figure 8 (or two core) cable should be run from the Door station to the Lock.

SJ Input

A remote music source may be fed into the system via the SJ and GND terminals on the rear of the Master. The GND is connected to the striped wire on the Music Jack Plate and SJ is connected to the plain wire on the Music Jack Plate.

If the system does not have a Master, a Music Interface Board must be used and connected into the nearest room station to the Music Source. The MIB should be located behind the Music Jack Plate.

The cable that MUST be used is Austel approved internal telephone cable. There must be at least two pairs in this cable.

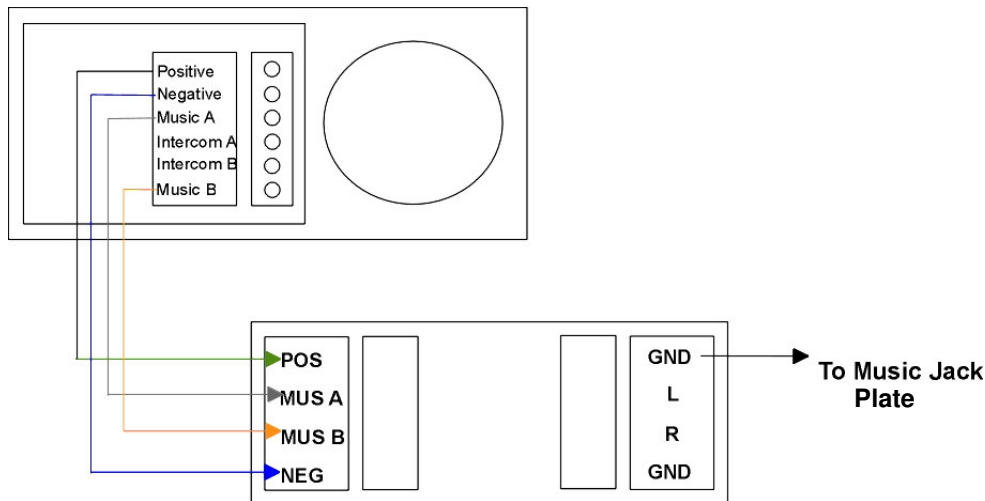
Use one pair for POS and NEG and the second pair for the two MUS terminals.

The POS is connected to Terminal 1 of any Room Unit.

The NEG is connected to Terminal 2 “ “

One MUS is connected to Terminal 3 “ “

One MUS is connected to Terminal 6 “ “



The GND is connected to the striped wire on the Music Jack Plate and either L or R is connected to the plain wire on the Music Jack Plate.

A lead may be purchased to suit your Music Source (usually from the headphone socket). Consult your Deltacom agent for further details regarding this lead.

Dip Switches

Blue : The Privacy function will operate when Switch 1 is ON
 : The Unlock function will operate when Switch 2 is ON
 : The doorbell function will operate when Switch 3 is ON

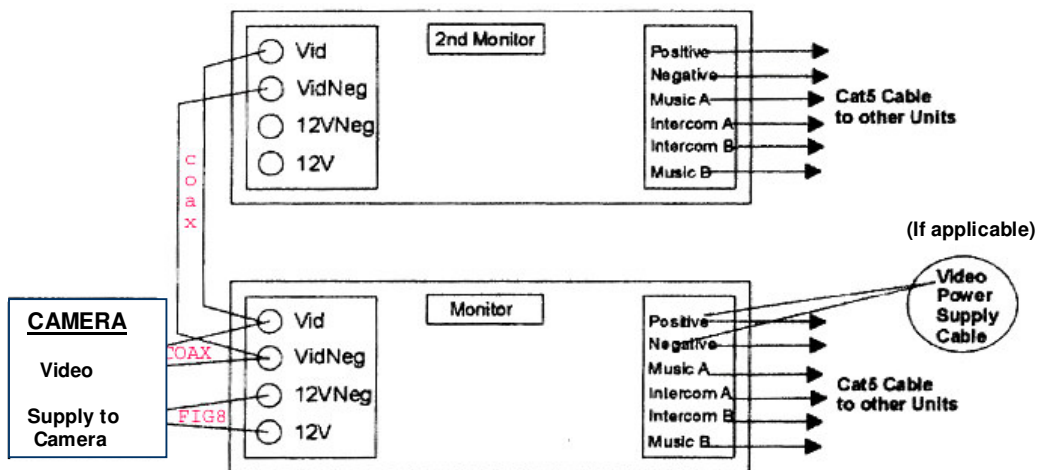
Black : controls Room station numbering (as shown below).

ROOM NUMBERING

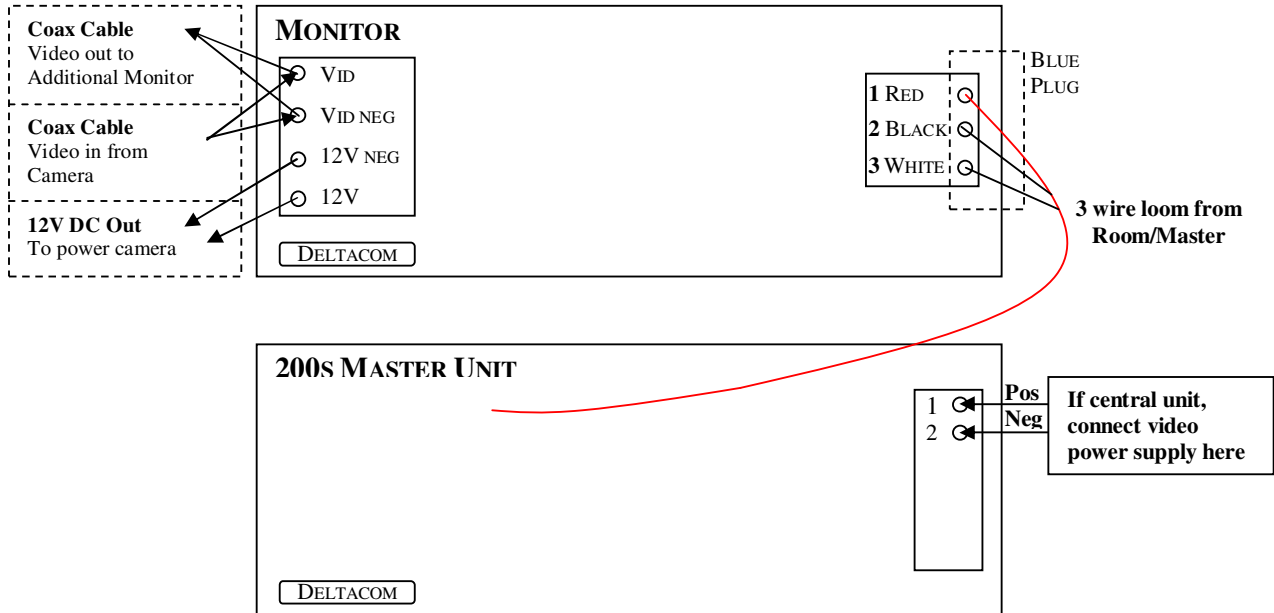
Dip Switches 1 to 4

1	2	3	4	Room
ON	ON	ON	ON	1
OFF	ON	ON	ON	2
ON	OFF	ON	ON	3
OFF	OFF	ON	ON	4
ON	ON	OFF	ON	5
OFF	ON	OFF	ON	6
ON	OFF	OFF	ON	7
OFF	OFF	OFF	ON	8
ON	ON	ON	OFF	9
OFF	ON	ON	OFF	10
ON	OFF	ON	OFF	11
OFF	OFF	ON	OFF	12
ON	ON	OFF	OFF	13
OFF	ON	OFF	OFF	14
ON	OFF	OFF	OFF	15
OFF	OFF	OFF	OFF	16

Connecting a Camera and Room Monitor



CONNECTING 200S MASTER TO UNIVERSAL MONITOR



Sales - Manufacturing - Installations - Service
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