

A Division of SCARECROW BIO-ACOUSTIC SYSTEMS LIMITED

Serial No.:

INSTALLATION INFORMATION

DPS 400 & 402

STORE 'N' FORWARD PAGING MICROPHONES

Thank you for buying this paging microphone. Please ensure that the Serial No. in the top right hand corner of this page is quoted in all communications; it can be found on each microphone carton and on the product.

Please take time to carefully read these instructions and ensure that the setting up sequence is maintained.

Store 'n' Forward desk paging microphones have been designed for new installations or to replace existing 'live' microphones, to avoid howl-round, acoustic feedback. The technology is a real step forward for paging in busy environments or for broadcasting announcements repeatedly, for example, in food stores and transport termini.

DPS 400: Completely self-contained, **DPS 400** can directly replace existing desk paging microphones with these key additional features:

- a) enables paging announcements to be made without acoustic feedback.
- b) independent from a) to record and store up to 3 promotional messages and to automatically repeat them at selected time intervals until manually cancelled.

DPS 402: A simple paging microphone incorporating Store 'n' Forward technology to beat acoustic feedback problems and with automatic, self cancelled, repeat.

Both **DPS 400** and **DPS 402** are 24V dc powered, from a plug-top power supply or from the host system to which they will be connected. This is additionally used for powering the DPS and to recharge the internal battery which when charged will monitor the internal battery for up to 7 days.

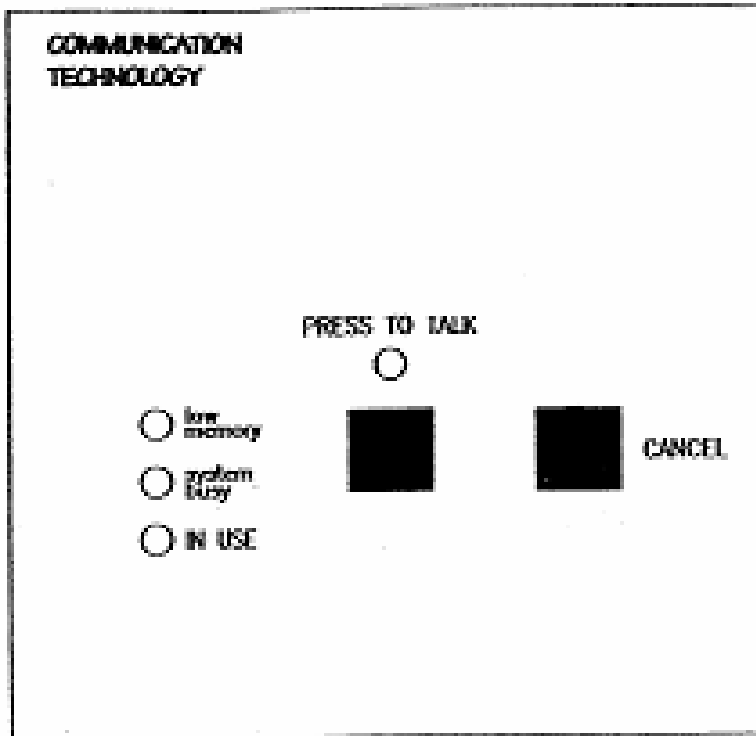
The internal battery will become fully charged 24 hours after the permanent connection of the 24 dc supply.

PO Box 66, Uckfield, East Sussex, TN22 3ZR, England
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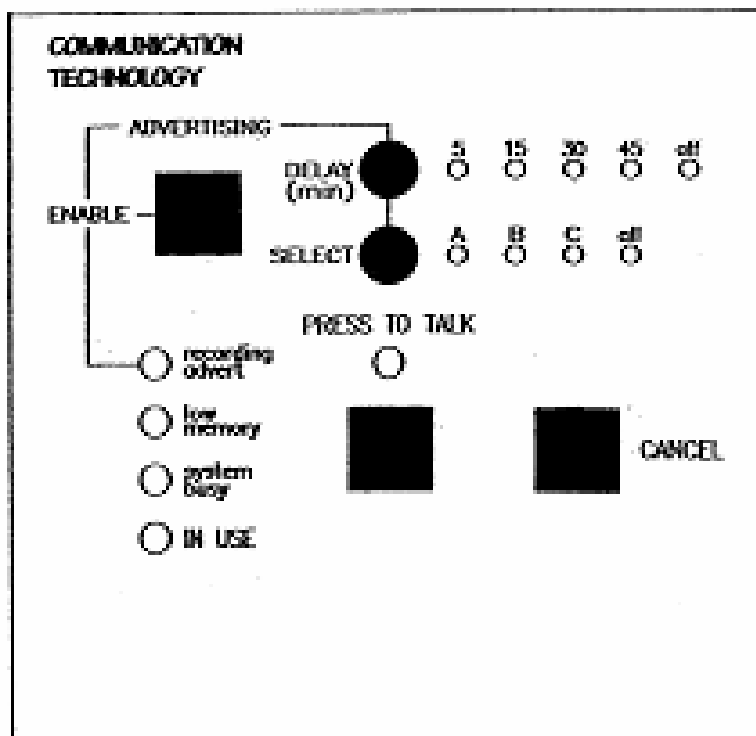
REGISTERED IN ENGLAND NO. 01568506 VAT REGISTRATION NO. GB680 0269 46
REGISTERED OFFICE: 8 LONSDALE GARDENS, TUNBRIDGE WELLS, TN1 1NU



Any s/s message will be deleted and lost if the supply goes off but the advert messages will be kept along with the timer and message selection settings. The timer will restart from the beginning when the power is re-applied.



DPS 402



DPS 400

System interface is by 15 way ‘D’ cable, 1.8m supplied

PIN	USEAGE	FLEXIBLE COLOUR
1	OV DC power input	BROWN
2	ACCESS output* This contact closes when the DPS wishes to broadcast to the PA. It will not broadcast if “busy in” is active, the unit will not attempt access until “busy in” becomes inactive. If the pre-announcement delay link is set, the “access out” contact will close 3 seconds before audio is output.	RED
3	BUSY input (hi or low) This input must be false for the unit to broadcast. It signifies that the amplifier to which it is connected is already in use by another microphone. If busy goes true during a broadcast, the broadcast will be cancelled and re-started when busy has gone false again. Any manually triggered advert will be cancelled and not restarted.	ORANGE
4	Audio (line) output +ve	PINK
5	OV screen	YELLOW
6		GREEN
7	OV screen	MINT
8	Audio (mic) output +ve	NAVY BLUE
9	24 dc power input	PURPLE
10	ACCESS output * See PIN 2	GREY
11		WHITE
12	AUDIO (line) output –ve	BLACK
13		BROWN/WHITE
14	PLAY input (hi or low) This input can be used to trigger the selected promotional message (advert) or the next advert if the sequencer is set and there are messages recorded. If this line remains active at the end of an advert, the same advert will play again (looped) or the next advert will play if the ALL mode is selected and there are others recorded.	RED/WHITE
15	AUDIO (mic) output –ve	BLACK/WHITE

* access pins 2 and 10 are dry relay contacts which close when DPS ‘wishes’ to access the host system.

THE FRONT PANEL CONTROLS : what they function

N.B. **DPS 402** does not contain the ‘advertising’ feature of **DPS 400**

PRESS TO TALK (PTT)

Pressed and held to record announcements. It is also used in conjunction with **ENABLE** to record adverts. A brief press on **PTT** while the **ENABLE** light is on will **erase** the selected advert.

The unit will not enter **RECORD** mode and the **PTT** light will not illuminate while the **IN USE** light is on. Press **CANCEL** first to erase the existing message, or wait until the **IN USE** light goes off.

*The **IN USE** light will light for the duration of the broadcast (including the time delay between repeats) to indicate a message is being played out.*

If **PTT** is pressed while an advert is being broadcast (**IN USE** light on) the **PTT** light will not illuminate and the unit will not record. Press **CANCEL** first to postpone the existing advert or wait until the **IN USE** light goes off.

Any recordings less than 0.5 seconds will not be saved as this short press will be taken as a **delete message** command.

CANCEL

Press this button to either cancel and clear a message, or cancel a currently playing advert.

Press during power up to clear all internal memory and messages.

ENABLE

Press this button to enable **ADVERTISEMENT** record or erase functions. Press a second time to cancel mode. After **PTT** or **CANCEL** is pressed, the **ENABLE** function is cancelled automatically. This mode will also **self-cancel** after 1 minute if no other buttons are pressed.

DELAY

Sets the delay time between repeats for the adverts

There are 5 options: **5, 15, 30, 45** minutes and **OFF**.

SELECT (Advert)

a) Selects which advert to record, clear or playback with the option to play back all adverts sequentially with the delay time between each advert.

b) In **recording advert** mode, (record **ENABLE** light on)

Cycles through A, B & C only.

c) In **stand by** mode

Cycles through A, B, C & ALL

Unrecorded sectors cannot be selected.

Note. You must press and hold for 1 second before any step change takes place.

A quick press will play the selected advert immediately providing a message is not being broadcast.

This button is not operative if the IN USE light is on. ie. Broadcasting.

FRONT PANEL LIGHTS : what they report

PRESS TO TALK (PTT)

Will light when the PTT button is pressed and the unit is not currently in use to indicate that recording is in progress.

The light will go out and recording will stop when **PTT** is released.

IN USE

The unit is broadcasting an s/s announcement cycle, which can be cancelled if required by pressing **CANCEL**. The light will flash while actually broadcasting the s/s message.

This light will also illuminate while an advert is being broadcast. (not lit during timing).

SYSTEM BUSY

The PA system that the s/s is connected to is currently busy which will prevent the s/s from making an announcement. The s/s will not request access on its access contact until the busy input has cleared. It is possible to make recordings while the system is busy.

MEM LOW (memory low)

Will flash when less than 5 seconds of memory is remaining (after 59 seconds) while recording and will light fully when the memory is full (64 seconds). Recording will stop at this time.

The light will remain lit until the message is erased, re-recorded or removed after playback.

REC ADVERT

This light will illuminate when **ENABLE** is pressed to indicate the unit is in advert record mode. This will remain lit until **PTT** is released after making a recording or erasing an advert.

Pressing **ENABLE** a second time will switch off the mode.

CANCEL will also cancel the mode.

Record advert mode will also self-cancel after 1 minute if no other button was
pressed.

DELAY

These indicate the repeat time for the advert messages and will remain lit at all times.

ADVERT SELECT

One of the A. B. C. lights will be on full if that advert is recorded and selected. The light will flash when the advert is being broadcast.

If ALL is selected, then only the recorded advert channels will light.

FACTORY SETTINGS *what mode settings we made:*

REFER TO P.C.B. LAYOUT; removing the DPS base for this purpose

PRE-CONFIGURED: Internal Mode Links : CONN 2

THE FOLLOWING INSTALLATION SPECIFIC ADJUSTMENTS REQUIRE ACCESS TO THE INBUILT P.C.B; REMOVE THE BASE FIXING SCREWS (4) FOR THIS ACCESS:-

LINK FUNCTION

1	internal chime enable on s/s with link fitted
2	internal chime enable on advert with link fitted
3	pre announcement delay (for external chime) 4 seconds delay with link fitted
4	set advert timer range to seconds (for test purposes only)
5	s/s number of repeats see note below #
6	s/s number of repeats
7	s/s repetition time see note below *
8	s/s repetition time

Note*

Number of s/s messages/plays/repeats

1 repeat	=	Link 5 open – Link 6 open
2 repeats	=	Link 5 open – Link 6 fitted
3 repeats	=	Link 5 fitted – Link 6 open
4 repeats	=	Link 5 fitted – Link 6 fitted

Note*

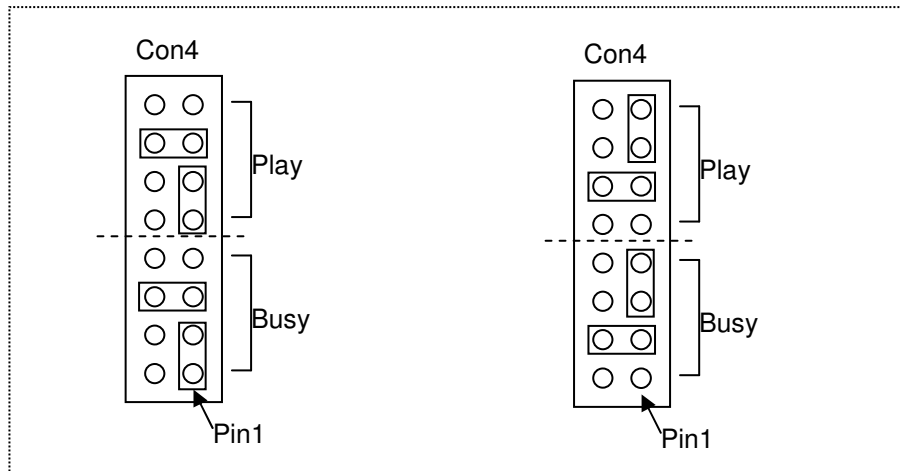
Time between repeats

5 seconds between repeats	=	Link 7 open – Link 8 open
15 seconds between repeats	=	Link 7 open – Link 8 fitted
30 seconds between repeats	=	Link 7 fitted – Link 8 open
60 seconds between repeats	=	Link 7 fitted – Link 8 fitted

Con4 : Play and Busy input setup.

Dry contact input
(factory default shown)

5-24vdc Input to Play or busy
(optional facility)

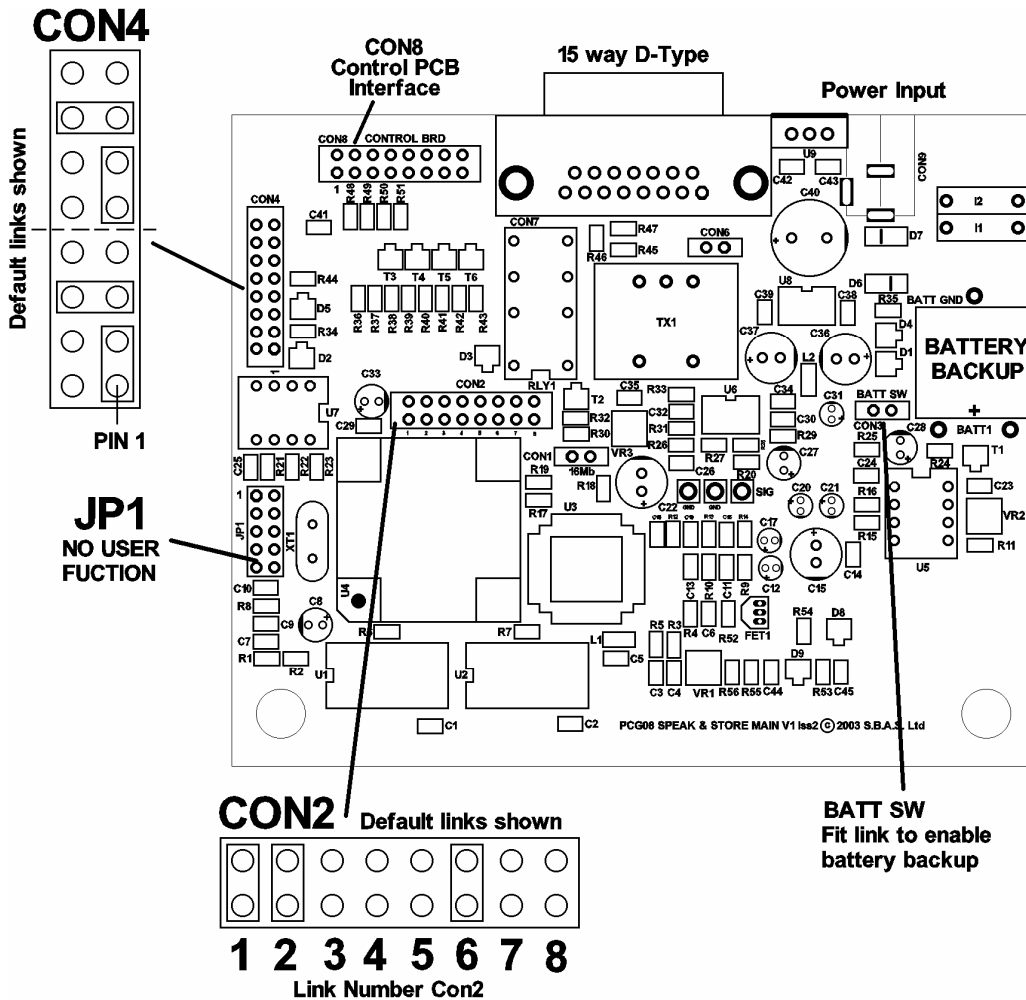


Explanation of input options.

With dry contact input, the input is active or true when the input is switched to ground and is in-active or false when the input is open circuit.

With voltage input, the input is active or true when the input is fed with a dc voltage between 5 & 24v and is in-active or false when the input has less than 3volts fed into it.

Connector and Link Block Location



Battery Backup system.

Systems are shipped with the (BATT SW) link open. If battery backup is required this link must be fitted. The internal battery will become fully charged 24 hours after the permanent connection of the 12/24 dc supply.

PORTS

ACCESS OUT 15way D type Pins 2 and 10

(dry contact 30V @ 250mA max)

This switch contact closes when the unit wishes to broadcast to the PA.

If “busy in” is true, the unit will not assert “access out” until “busy in” is false.

If the pre announcement delay link is set, the “access out” contact will close 3 seconds before audio is output.

* **BUSY IN** 15way D type Pin 3

This input must be false for the unit to broadcast. It signifies that the amplifier to which it is connected is already in use by another microphone.

If busy goes true during a broadcast, the broadcast will be cancelled and re-started when busy has gone false again. Any manually triggered advert will be cancelled and not restarted.

*** PLAY INPUT 15way D type Pin 14**

This input can be used to trigger the selected advert or the next advert if the sequencer is set.

If this line remains true at the end of a message, the same message will play again (looped) or the next message will play if the 'all' mode is selected and there are other messages recorded.

* Pre-configured as 'dry contact' mode.

YOUR ROUTES TO PROBLEM SOLVING

For installation advice, technical assistance:

E-MAIL : sales@communication-technology.co.uk

UK FREEPHONE : 0800 917 8488

FAX : + 44 (0)1825 766361

If Freephone is unavailable to you : + 44 (0)1825 766363

In the unlikely event of a Service requirement

Please dispatch your product to:

**COMMUNICATION TECHNOLOGY
Service Unit
Unit 33/35 Bell Lane
Bellbrook Industrial Estate
UCKFIELD
East Sussex TN22 1QL
England**

CT Manuals / DPS400-402-Installation

PO Box 66, Uckfield, East Sussex, TN22 3ZR, England

Telephone: +44(0) 1825 766363 Fax: +44(0) 1825 766361 UK Freephone: 0800 917 8488

E-mail: sales@communication-technology.co.uk Website: www.communication-technology.co.uk

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OPERATORS MANUAL FOR DPS 40...

S/No.....

DPS 400 & 402

s/s*, STORE 'N' FORWARD PAGING MICROPHONES

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s/s is a generic abbreviation for store and forward processes : *speak and store.

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REC ADVERT

This light will illuminate when **ENABLE** is pressed to indicate the unit is in **advert record** mode. This will remain lit until **PTT** is released after making a recording, or erasing an advert.

Pressing **ENABLE** a second time will switch off this mode; **CANCEL** will also cancel the mode.

Advert record mode will also self-cancel after 1 minute if no other button is pressed.

DELAY

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ADVERT SELECT

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