

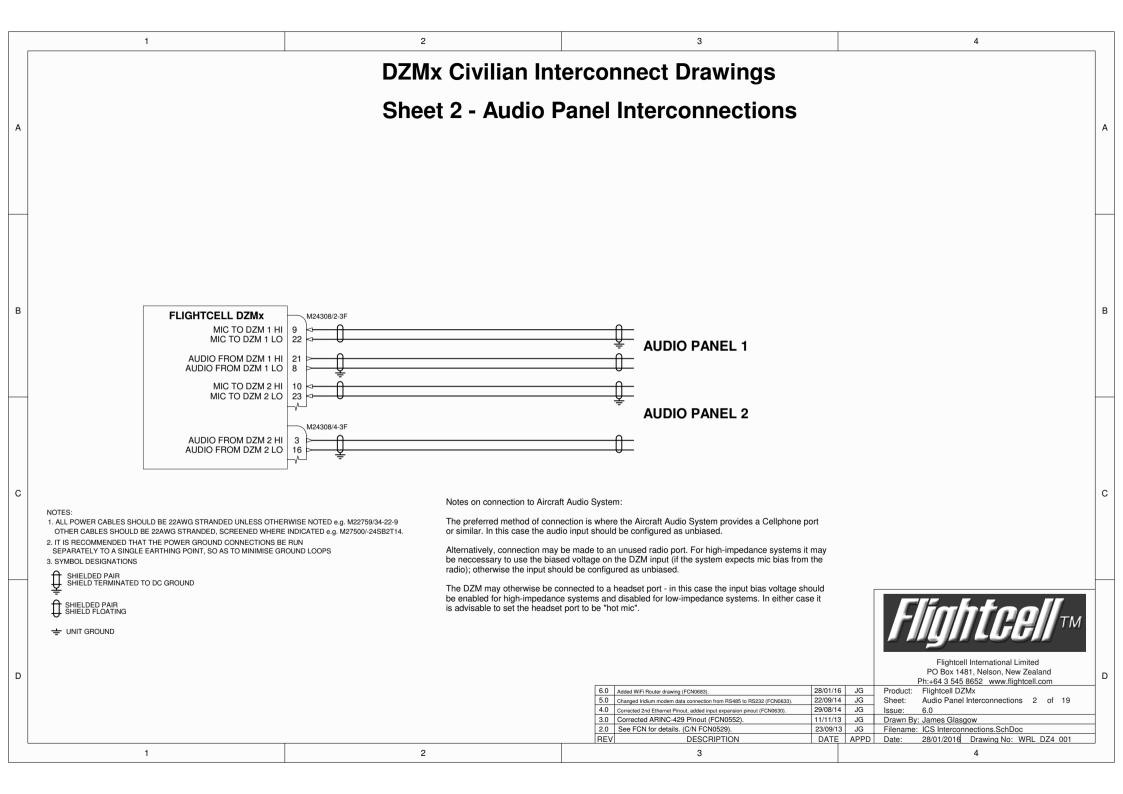
D

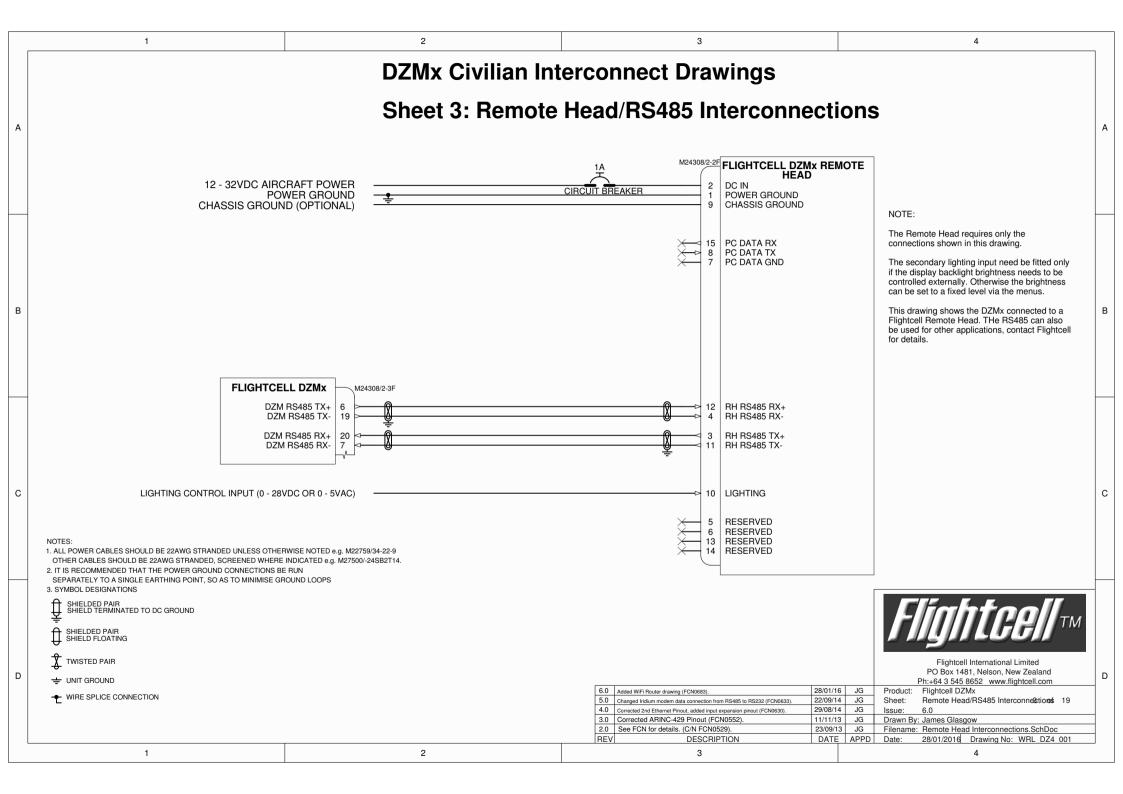
Α

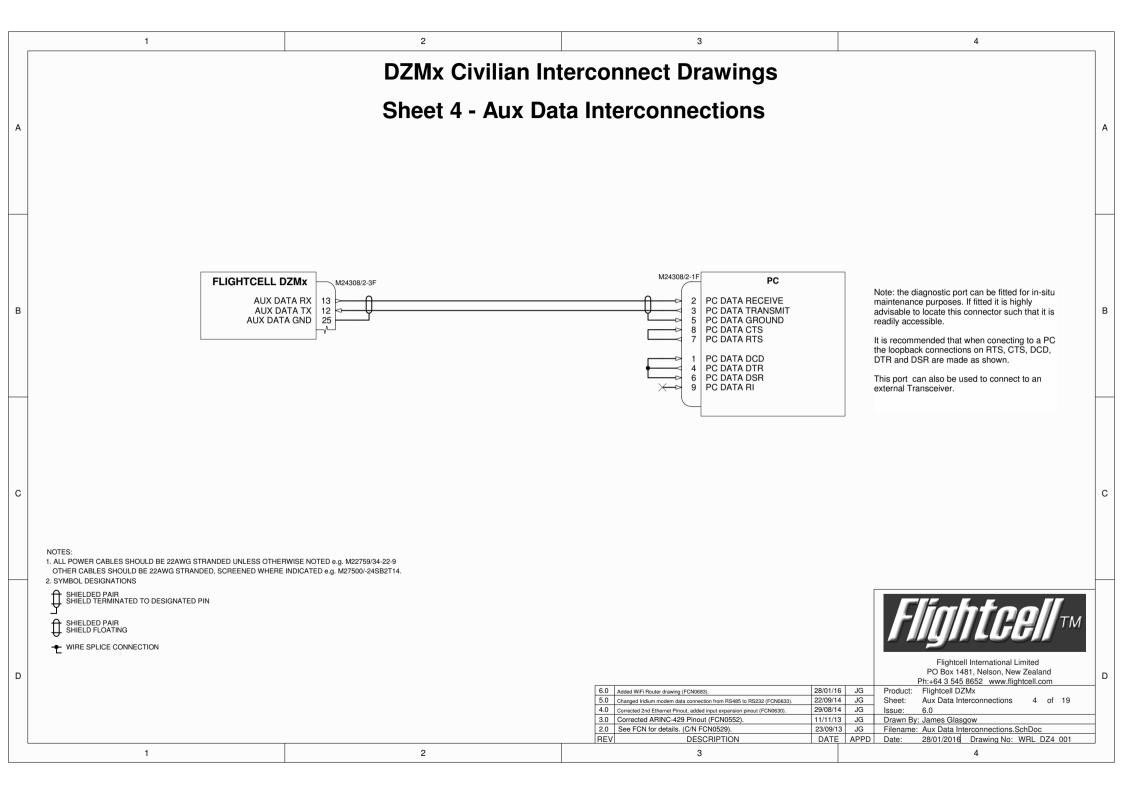
В

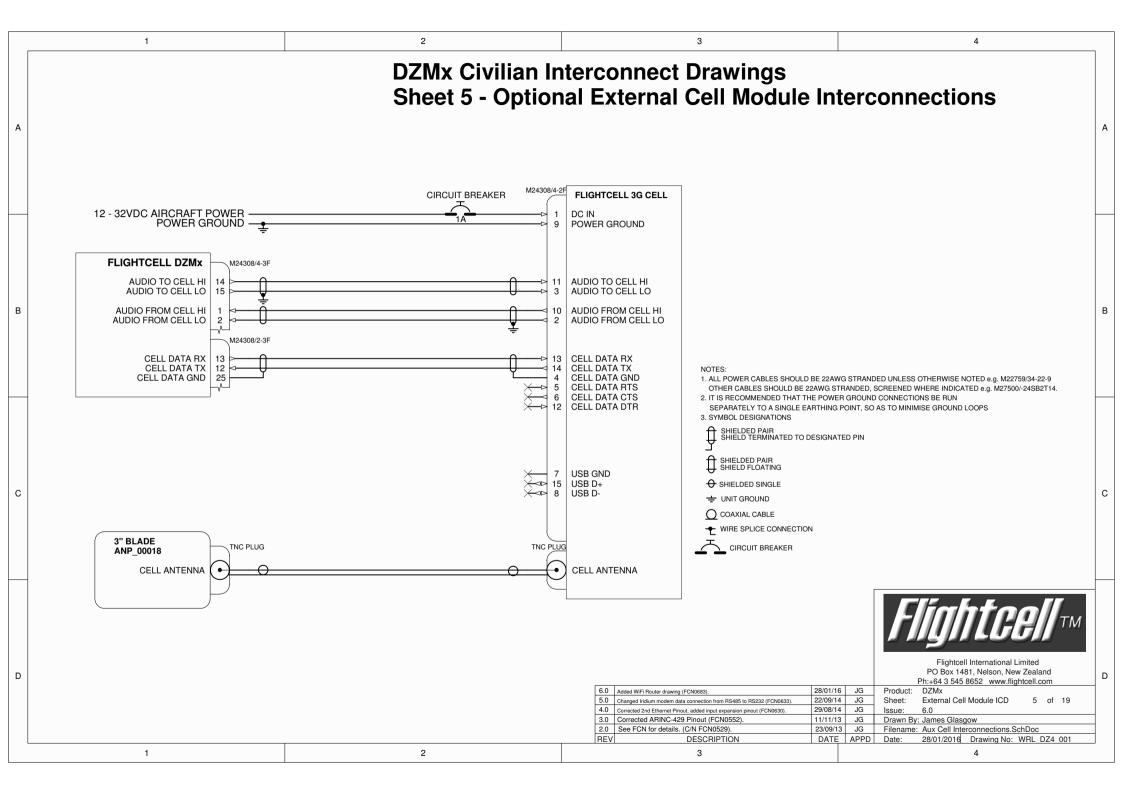
С

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2 3 4 DZMx Civilian Interconnect Drawings Sheet 6 - General Purpose Inputs

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e.g. HELICOPTER COLLECTIVE SWITCH

e.g. LIGHTING CONTROL INPUT (0 - 28VDC OR 0 - 5VAC)

e.g. OIL PRESSURE SWITCH

e.g. PUMP

e.g. TANK DOOR

0

SPST

SPST

SPST

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SPSŤ

Lighting input:

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If there is a requirement to dim the DZM display backlight along with other cockpit lighting, a reference voltage may be fed into this input. Different aircraft typically use either a 0-28VDC or a 0-5VAC range. The DZM lighting input can be calibrated to suit the particular input requirements of the installation.

FLIGHTCELL DZMx

GPI 1 | 16

GPI 2

GPI 3

GPI 4 18

GPI 5 | 15

GPI GND

3

4

5

17

GPI GND

M24308/2-3F

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Inputs:

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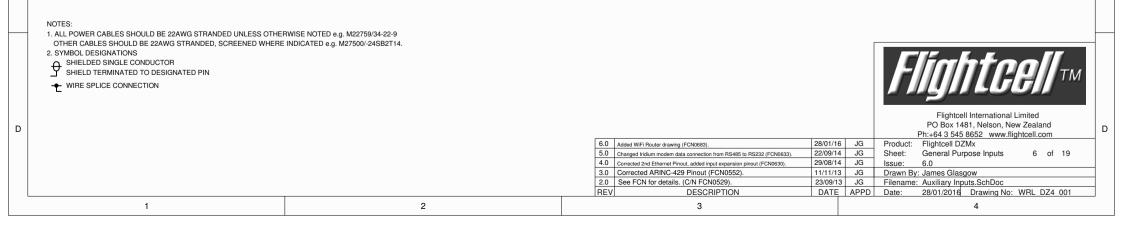
The input's are all configurable as either variable or switched with adjustable thresholds.

The inputs nominal operating range is 0-28VDC, but they will tolerate an input range of -32 to +32VDC.

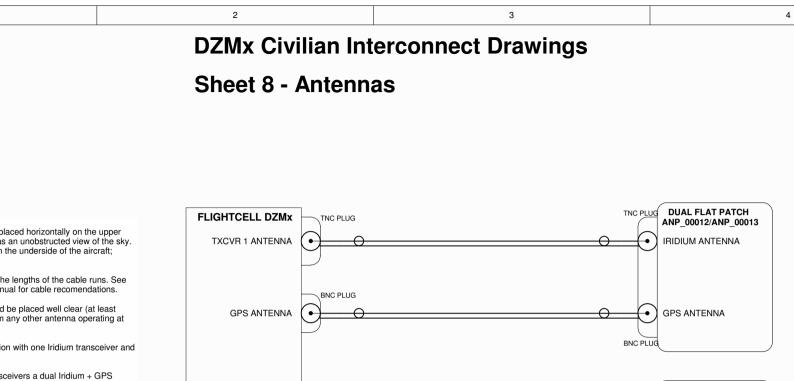
If these inputs are used, they need to be enabled on the DZM.

The inputs can be used for other purposes depending on the firmware configuration; contact Flightcell for advice on any specific applications.

All inputs are referenced to a common ground which is connected internally to the DZMx to Chassis ground. Therefore the aicraft chassis ground can be used for the input return signal if required.



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	DZMx Civilian Interconnect Drawings		
	Sheet 7 - POTS Interface		
A		A	
	POTS Interface:		
	The POTS interface is designed so that a standard 2-wire telephone handset can be wired into the DZMx and used to make calls via the DZMx transceivers (if fitted).		в
В	It can also be used to communicate with the aircraft's flight crew. FLIGHTCELL DZMx M24308/2-3F	В	
	Note: It is important that the DZM is set to the appropriate 2-wire impedance setting for the phone handset that is connected. The DZM has several different impedance settings, designed to work with the impedance of most countries telephone handsets.		
	Failure to correctly set the 2-wire impedance can cause echo to be heard by the person at the remote end of the call from the DZM.		
С		С	
	1. ALL POWER CABLES SHOULD BE 22AWG STRANDED UNLESS OTHERWISE NOTED e.g. M22759/34-22-9 OTHER CABLES SHOULD BE 22AWG STRANDED, SCREENED WHERE INDICATED e.g. M27500/-24SB2T14. 2. SYMBOL DESIGNATIONS		
	2. SYMBOL DESIGNATIONS		
	HIELDED PAIR SHIELDED PAIR Flightcell International Limited PO Box 1481, Nelson, New Zealand PO B	•	
D	6.0 Added WFI Router drawing (FCN0683). 28/01/16 JG Product: Flightcell DZMx 5.0 Charged infolum modern data connection from RS485 to RS232 (FCN0633). 22/09/14 JG Sheet: POTS Interface 7 of 19	D	
	4.0Corrected 2nd Ethernet Pinout, added input expansion pinout (FCN0630).29/08/14JGIssue:6.03.0Corrected ARINC-429 Pinout (FCN0552).11/11/13JGDrawn By: James Glasgow2.0See FCN for details. (C/N FCN0529).23/09/13JGFilename: POTS Interface.SchDoc		
	REV DESCRIPTION DATE APPD Date: 28/01/2016 Drawing No: WRL DZ4 001 1 2 3 4 4		

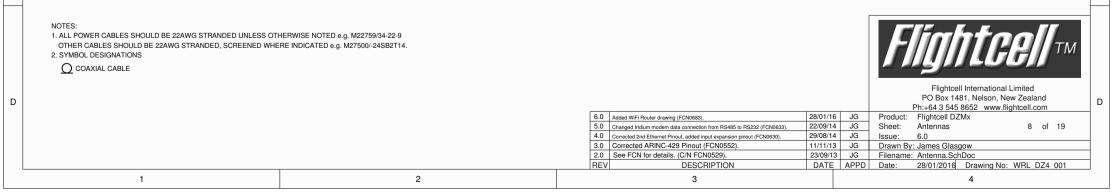




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В

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NOTES:

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The Iridium/GPS antenna should be placed horizontally on the upper surface of the airframe such that it has an unobstructed view of the sky. The cell antenna should be placed on the underside of the aircraft; orientation is less critical.

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Selection of coax cable depends on the lengths of the cable runs. See the Installation and Configuration manual for cable recomendations.

Where practicable the antenna should be placed well clear (at least 500mm and preferably 1000mm) from any other antenna operating at similar frequencies.

The setup shown is a typical installation with one Iridium transceiver and one Cellular transceiver.

For installations with two Iridium transceivers a dual Iridium + GPS antenna is available. Contact Flightcell for details.

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