

THE GRAND ORGAN

The instrument consists of nine manual divisions controlled from five manuals, CC to C, 61 notes, and Willis pedal board, CCC to G, 32 notes. There are two 5 manual consoles each with 166 speaking stops and 54 couplers, making a total of 220 registers, controlling 11,000 pipes and making it the largest church organ in the U.K. and one of the largest in the world today.

PEDAL ORGAN - 35 Stops [Partially enclosed]

	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
1 Resultant bass	64	10	18 Open flute*	8	6
2 Double open bass	32	10	19 Bass flute	8	6
3 Double open diap	32	10	20 Fifteenth	4	10
4 Contra violone	32	10	21 Flûte triangulaire*	4	6
5 Open bass	16	6	22 Octave flute	4	6
6 Tibia	16	5	23 Gedact	4	6
7 Open diapason	16	6	24 Mixture 15.19.22	3rks	6
8 Contra basso	16	10	25 Fourniture 15.19.22.26.29	5rks	6
9 Geigen*	16	6	26 Fagotto*	16	6
10 Violon*	16	6	27 Octave bassoon*	8	6
11 Bourdon	16	6	28 Contra trombone*	32	20
12 Sub Bass	16	6	29 Trombone*	16	20
13 Dolce	16	6	30 Ophicleide	16	20
14 Principal	8	10	31 Clarion	8	20
15 Violoncello*	8	6	32 Contre bombarde	32	30
16 Violone	8	6	33 Bombarde	16	30
17 Stopped flute	8	6	34 Bombarde	8	30
			35 Bombarde	4	30

* Enclosed in separate Swell box.

CHOIR ORGAN - 23 Stops [Partially enclosed]

	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
<u>Positif</u>					
36 Gedact	8	4	47 Unda maris (FF)	8	4
37 Spitz principal	4	4	48 Octave viola	4	4
38 Nasat	2 ² / ₃	4	49 Suabe flöte	4	4
39 Coppel	2	4	50 Octavin	2	4
40 Terz	1 ³ / ₅	4	51 Dulciana mix.10.12.17.19.225rks	4	4
41 Spitzflöte	1	4	52 Bass clarinet	16	4
42 Cymbel 29.33.36	3rks	4	53 Baryton	16	4
			54 Corno-di-bassetto	8	4
<u>Enclosed section</u>					
43 Contra viola	16	4	55 Cor anglais	8	4
44 Violin diapason	8	4	56 Vox humana	8	4
45 Viola	8	4	57 Trompette harmonique	8	7
46 Claribel flute	8	4	58 Clarion	4	7
			Tremulant		

GREAT ORGAN - 29 Stops and 1 Coupler [Unenclosed]

	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
59 Contra violone	32	6	74 Octave no 2	4	5
60 Double open diapason	16	10	75 Principal	4	5
61 Contra tibia	16	5	76 Gemshorn	4	5
62 Bourdon	16	5	77 Flute couverte	4	5
63 Double quint	10 ² / ₃	5	78 Tenth	3	5
64 Open diapason no 1	8	10	79 Twelfth	2 ² / ₃	5
65 Open diapason no 2	8	10	80 Super octave	2	10
66 Open diapason no 3	8	5	81 Fifteenth	2	5
67 Open diapason no 4	8	5	82 Mixture 12.15.19.21.22	5rks	5
68 Open diapason no 5	8	5	83 Fourniture 19.22.24.26.29	5rks	5
69 Tibia	8	5	84 Double trumpet	16	15
70 Doppel flöte	8	5	85 Trompette harmonique	8	15
71 Stopped diapason	8	5	86 Trumpet	8	15
72 Quint	5 ¹ / ₃	5	87 Clarion	4	15
73 Octave no 1	4	10			

Grand Chorus on Great

SWELL ORGAN - 31 Stops [Enclosed]

	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
88 Contra geigen	16	5	105 Lieblich piccolo	2	5
89 Contra salicional	16	5	106 Seventeenth	1 ³ / ₅	5
90 Lieblich bordun	16	5	107 Sesquialtera 10.12.17.19.22	5rks	5
91 Open diapason	8	5	108 Mixture 15.19.22.26.29	5rks	5
92 Geigen	8	5	109 Contra hautboy	16	7
93 Tibia	8	7	110 Hautboy	8	7
94 Wald flöte	8	5	111 Krummhorn	8	7
95 Lieblich gedackt	8	5	112 Waldhorn	16	10
96 Echo viola	8	5	113 Cornopean	8	10
97 Salicional	8	5	114 Clarion	4	10
98 Vox angelica (FF)	8	5	115 Double trumpet	16	15
99 Octave	4	5	116 Trompette harmonique	8	15
100 Octave geigen	4	5	117 Trumpet	8	15
101 Salicet	4	5	118 Octave trumpet	4	15
102 Lieblich flöte	4	5			
103 Nazard	2 ² / ₃	5	Tremulant (5 inch wind)		
104 Fifteenth	2	5	Tremulant (7 inch wind)		

SOLO ORGAN - 22 Stops & 1 Coupler [Partially unenclosed]

	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
<u>Unenclosed section</u>					
119 Contra hohl flöte	16	7	130 Concert flute	4	7
120 Hohl flöte	8	7	131 Piccolo harmonique	2	7
121 Octave hohl flöte	4	7	132 Cor anglais	16	7
			133 Clarinet (orchestral)	8	7
			134 Oboe (orchestral)	8	7
<u>Enclosed section</u>					
122 Contre viole	16	7	135 Bassoon (orchestral)	8	7
123 Viole-de-Gamba	8	7	136 French horn	8	7
124 Viole d'orchestre	8	7	137 Contra tromba	16	20
125 Violes celestes (FF)	8	7	138 Tromba réal	8	20
126 Octave viole	4	7	139 Tromba	8	20
127 Violette	2	7	140 Tromba clarion	4	20
128 Cornet des violes 10.12.15 3rks		7	Solo Trombas on Great		
129 Flûte harmonique	8	7	Tremulant		

BOMBARDE ORGAN - 5 Stops [Unenclosed]

	<i>Feet</i>	<i>Press</i>		<i>Feet</i>	<i>Press</i>
141 Grand chorus, sub-unison, unison, 5.8.12.15.19.22.26.29 10rks		6	143 Tuba	8	30
142 Contra tuba	16	30	144 Tuba clarion	4	30
			145 Tuba magna	8	50

CORONA ORGAN - 1 Stop [Unenclosed]

146 Trompette militaire	8	50
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CENTRAL SPACE ORGAN – 6 Stops [Unenclosed]

147 Double Diapason	16	6
148 Open Diapason 8	6	
149 Principal	4	6
150 Fifteenth 2	6	
151 Mixture 2-6rks	6	
152 Bourdon (Pedal)	16	6

ECHO ORGAN - 13 Stops [Enclosed]

153 Echo Bass (Pedal)	16	3 ^{1/2}
154 Dulzian (Pedal)	16	3 ^{1/2}
155 Lieblich Bourdon	16	3 ^{1/2}
161 Octave Geigen 4	3 ^{1/2}	
156 Echo Diapason	8	3 ^{1/2}
162 Flageolet	2	3 ^{1/2}
157 Flauto Amiable	8	3 ^{1/2}
163 Harmonica Aetheria 3rks	3 ^{1/2}	
158 Muted Viole	8	3 ^{1/2}
164 Chalumeau (from 165)	16	3 ^{1/2}
159 Aoline Celeste	8	3 ^{1/2}
165 Hautbois d'Amour	8	3 ^{1/2}
160 Carillon (TenC)	8	3 ^{1/2}
166 Trompette	8	3 ^{1/2}

COUPLERS - 47 Stops

- 1 Bombarde octave
- 2 Bombarde unison off
- 3 Bombarde sub octave
- 4 Solo octave
- 5 Solo unison off
- 6 Solo sub octave
- 7 Swell octave
- 8 Swell unison off
- 9 Swell sub octave
- 10 Choir octave
- 11 Choir unison off
- 12 Choir sub octave
- 13 Bombarde to great
- 14 Bombarde to choir
- 15 Solo to swell
- 16 Solo to great
- 17 Solo to choir
- 18 Swell to great
- 19 Swell to choir
- 20 Great to bombarde
- 21 Great to choir
- 22 Choir to great
- 23 Bombarde to pedal
- 24 Solo tenor solo to pedal
- 25 Solo to pedal
- 26 Swell to pedal
- 27 Great to pedal
- 28 Choir to pedal

ACCESSORIES – 4 stops

- 29 Pedal stops off
- 30 All doubles off
- 31 Swell pistons on general toe pistons
- 32 Great & pedal combinations coupled
- 33 All Swells on Swell

ACCESSORIES AS DIVISIONALS – 4 stops

- 34 Choir Tremulant
- 35 Swell Tremulant (5 inch wind)
- 36 Swell Tremulant (7 inch wind)
- 37 Solo Tremulant
- 38 Echo Tremulant

COUPLERS AS DIVISIONALS – 11 stops

- 39 Grand Chorus on Great
- 40 Solo Trombas on Great
- 41 Corona on bombarde
- 42 Corona on choir
- 43 Corona octave
- 44 Corona sub octave
- 45 Central on bombarde
- 46 Central on great
- 47 Central octave
- 48 Central sub octave
- 49 Central to Great Pistons
- 50 Echo Octave
- 51 Echo Unison Off
- 52 Echo Sub Octave
- 53 Echo on Bombarde
- 54 Echo on Solo

ADJUSTABLE PISTONS

64 channels of memory are provided on each of six segments accessible by 'smart card'

- 0 12345678910 Toe pistons to Pedal organ
- 0 12345678910 Thumb pistons to Choir organ
- 0 12345678910 Thumb pistons to Swell organ
- 0 12345678910 Thumb pistons to Great organ
- 0 12345678910 Thumb pistons to Solo organ
- 0 123456 Thumb pistons to Echo organ
- 0 1234 Thumb pistons to Bombarde organ
- 0 123 Thumb pistons to Corona organ
- 0 123 Thumb pistons to Central organ
- 0 12345678910 General pistons

General pistons are to be found on the Key cheeks nos. 1-5 at the bass end, 6-10 at the treble end. They are also duplicated above Bombarde manual, nos. 6-10 at the bass end, 1-5 at the treble end.

REVERSIBLE PISTONS

In Choir key slip

- 1 Bombarde to choir
- 2 Solo to choir
- 3 Swell to choir
- 4 Choir to pedal

In Great Key slip

- 5 Bombarde to great
- 6 Solo to great
- 7 Choir to great
- 8 Swell to great
- 9 Great to pedal
- 10 Solo Trombas on great
- 11 Grand Chorus on great
- 12 Great & pedal combs.coupled
- 13 Retard Sequencer
- 14 Advance sequencer

In Swell key slip

- 15 Pedal stops off
- 16 All doubles off
- 17 Solo to swell
- 18 Swell to pedal
- 19 Echo on Bombarde
- 20 Echo on Solo

In Solo key slip

- 21 Solo to pedal

In Bombarde key slip

- 22 Central to Bombarde
- 23 Central to Great

In Bombarde key slip

- 24 Great to bombarde
- 25 Bombarde to pedal
- 26 Corona on bombarde
- 27 Corona on choir

Toe Pistons

- 28 General cancel
- 29 Great & pedal combs. coupled
- 30 Bombarde to great
- 31 Grand chorus on great
- 32 Great to pedal
- 33 Bombarde to pedal
- 34 Full organ
- 35 Pedal cancel

CANCELS

In Choir key slip

- 36 Locking piston
- 37 General cancel

In Great key slip

- 38 All couplers off
- 39 Octave coupler cancel

Above Bombarde manual

- 40 General cancel
- 41 Great & pedal combinations coupled
- 42 Great to pedal
- 43 Full organ

ADDITIONAL CONSOLE CONTROLS

- 1 Digital Crescendo pedal (0-37) acting on Swell, Great & Pedal [with LED indicator]
- 1 Digital sequencer with 999 positions on each of six segments accessible by 'smart card'
- 1 Multi-switchplate for control of four swell boxes on any of three swell pedals.
- 1 Console light switch
- 1 Transformer/rectifier switch
- 2 Cut-out switches [North & South sides]
- 5 Blower Switches [No.1., No.2., 50"., Corona, Central.]

ANALYSIS OF CONTENTS

	<i>Stops</i>	<i>Pipes</i>
Pedal organ	35	996
Choir organ	23	1764
Great organ 29	2257	
Swell organ	31	2375
Solo organ	22	1459
Bombarde organ	5	854
Corona organ 1	61	
Central organ	6	502
Echo organ	13	733
Speaking stops	166	11,000
Couplers etc. 54		
TOTAL REGISTERS	220	

THE CHAMBER ORGAN

The chamber organ was built in 1973 by Nigel Church & Company. A one manual instrument of mechanical action with three stops controlling 174 pipes. The wind is supplied by a small detachable blower affixed to the right hand side of the casework. It is completely portable and is used for continuo work in Cathedral concerts, and accompaniment of early music in Cathedral services.

	<i>Feet</i>	<i>Pipes</i>
1. Gedact	8	58
2. Stopped Flute	4	58
3. Principal	2	58

THE PORTATIVE ORGAN

The portative organ was built in 1990 by Peter Collins & Company. A two manual instrument of mechanical action with three stops controlling 174 pipes. The wind is supplied by a small internal blower. It is completely portable and is used for continuo work in Cathedral concerts, and accompaniment of early music in Cathedral services.

	<i>Feet</i>	<i>Pipes</i>	<i>Feet</i>	<i>Pipes</i>	
MANUAL I			MANUAL II		
1. Gedact	8	58	4. Gedact	8	-
2. Stopped Flute	4	58	5. Stopped Flute	4	-
3. Principal	2	58	6. Principal	2	-

PEDAL

- 7. Sub Bass (digital) 16 -

COUPLERS

- I to Pedal

THE LADY CHAPEL ORGAN

The organ was built in 1910 by Henry Willis & Sons Ltd. and consists of two manuals, CC to C, 61 notes, with a pedal board CCC to G, 32 notes. It was overhauled by Hill, Norman & Beard in 1973 incorporating eight new stops. A new electro-pneumatic and electro-magnetic action was fitted, with various console accessories and a new humidifying plant. In 1992 it was cleaned and overhauled by David Wells Organ Builders, Liverpool, who, for the first time, re-built the 1910 soundboards, supplied a new transmission system and a new piston action. The Pedal organ was also extended to include a new 32ft reed, the gift of the estate of Geoffrey Potter Lennox, an unflinching supporter and much loved Patron of the Organ.

GREAT ORGAN						Feet Press		
1 Lieblich bourdon	16	4		6 Fifteenth	2	4		
2 Open diapason	8	4		7 Cornet 12.17	2rks	4		
3 Stopped diapason 8	3		8 Furniture 19.22.26		3/4rks	4		
4 Octave	4	4		9 Trumpet	8	4		
5 Chimney flute	4	3						

SWELL ORGAN						Feet Press		
10 Gedackt	8	3		14 Block flöte	2	3		
11 Salicional	8	3		15 Mixture 22.26.29	3rks	3		
12 Voix celestes	8	3		16 Bassoon	16	3		
13 Gemshorn	4	3		17 Cornopean	8	3		

PEDAL ORGAN						Feet Press		
18 Acoustic bass	32	4		24 Gedact	4	4		
19 Violone	16	5		25 Super octave	2	5		
20 Lieblich bourdon	16	4		26 Contra fagotto	32	4		
21 Octave	8	5		27 Fagotto	16	4		
22 Bass flute	8	4		28 Trumpet	8	4		
23 Fifteenth	4	5		29 Rohr shalmey	4	4		

COUPLERS

30 Swell octave			35 Swell to great
31 Swell unison off			36 Swell sub octave to great
32 Swell sub octave			37 Swell to pedal
33 Swell tremulant			38 Great to pedal
34 Swell octave to great			39 Great & pedal combinations coupled
			40 Swell pistons on general toe pistons

THUMB PISTONS

- 6 to Great
- 6 to Swell
- 6 General
- 1 Swell to great reversible
- 1 Swell to pedal reversible
- 1 Great to pedal reversible
- 1 General cancel
- 1 Setter switch

TOE PISTONS

- 6 to Pedal
- 6 General / Swell pistons
- 1 Great to pedal
- 1 32ft Contra fagotto

General & divisional pistons with sixteen channel system, each independent. & balanced pedal to Swell expression.