

RTOS 4/23 WurliTzer Specification, Page 1  
(Tabulated by Russell E. Shaner)

<b>PEDAL (Left Partial)</b>	<b>20</b>	<b>ACCOMP (CONTD)</b>	<b>42</b>	<b>GREAT (CONTD)</b>	<b>31</b>
1 Contra Tibia (Res)	32	30 Piano	8	28 Clarinet	8
2 Bombarde	16	31 Harp Sub		29 Orchestral Oboe	8
3 Ophicleide	16	32 Harp		30 Kinura	8
4 Diaphone	16	33 Solo Chrysoglott		31 Saxophone	8
5 Tibia Clausa	16	34 Chrysoglott		<b>GREAT (Upper Right)</b>	<b>28</b>
6 Diaphonic Horn	16	35 Snare Drum		32 Gamba	8
7 Gamba	16	36 Tambourine		33 String	8
8 Bourdon	16	37 Castanets		34 Viol d'Orchestre (2 Rks)	8
9 English Horn	8	38 Chinese Block		35 Violin (2 Rks)	8
10 Tuba Mirabilis	8	39 Tom Tom		36 Oboe Horn	8
11 Tuba Horn	8	40 Cymbal		37 Quintadena	8
12 Diaphonic Diapason	8	41 Octave		38 Concert Flute	8
13 Horn Diapason	8	42 Solo to Accomp		39 Vox Humana	8
14 Tibia Clausa	8			40 Vox Humana	8
15 Tibia Clausa	8	<b>ACC 2nd Touch (Backrail)</b>	<b>16</b>	41 Fifth (Tibia M)	5 1/3
16 Clarinet	8	1 English Horn	8	42 Octave	4
17 Gamba	8	2 Tuba Mirabilis	8	43 Octave Horn	4
18 String	8	3 Trumpet	8	44 Piccolo	4
19 Cello (4 Rks)	8	4 Tuba Horn	8	45 Piccolo	4
20 Flute	8	5 Diaphonic Diapason	8	46 Gambette	4
<b>PEDAL (Lower Left)</b>	<b>9</b>	6 Tibia Clausa	8	47 String	4
21 Piano	16	7 Tibia Clausa	8	48 Viol (2 Rks)	4
22 Bass Drum		8 Clarinet	8	49 Violin (2 Rks)	4
23 Crash Cymbal		9 Piccolo (2 Rks)	4	50 Flute	4
24 Jazz Cymbal (Unencl)		10 Piano	8	51 Tenth (Tibia M)	3 1/5
25 Cymbal		11 Harp Sub		52 Twelfth (Tibia)	2 2/3
26 Accomp to Pedal		12 Glockenspiel Octave		53 Twelfth (Tibia)	2 2/3
27 Great to Pedal		13 Cathedral Chimes		54 Twelfth	2 2/3
28 Great Octave Pedal		14 Triangle		55 Piccolo (Tibia)	2
29 Solo to Pedal		15 Great Octave Accomp		56 Piccolo (Tibia)	2
		16 Solo to Accomp		57 Fifteenth	2
				58 Piccolo	2
<b>ACCOMP (Upper Left)</b>	<b>42</b>			59 Fife	1
1 English Horn	8	<b>GREAT (Lower Right)</b>	<b>31</b>	<b>GREAT (Backrail)</b>	<b>12</b>
2 Tuba Mirabilis	8	1 English Horn (Ten C)	16	60 Piano	8
3 Trumpet	8	2 Bombarde	16	61 Piano	4
4 Tuba Horn	8	3 Trumpet (Ten C)	16	62 Harp Sub	
5 Diaphonic Diapason	8	4 Ophicleide	16	63 Harp	
6 Horn Diapason	8	5 Diaphone	16	64 Xylophone Sub	
7 Tibia Clausa	8	6 Diaphonic Horn	16	65 Xylophone	
8 Tibia Clausa	8	7 Tibia Clausa	16	66 Glockenspiel	
9 Clarinet	8	8 Tibia Clausa (Ten C)	16	67 Chrysoglott	
10 Saxophone	8	9 Clarinet (Ten C)	16	68 Sub Octave	
11 Gamba	8	10 OrchOboe (Ten C)	16	69 Unison Off	
12 String	8	11 Kinura (Ten C)	16	70 Octave	
13 Viol d'Orch' (2 Rks)	8	12 Saxophone (Ten C)	16	71 Solo to Great	
14 Violin (2 Rks)	8	13 Major Strings (2 Rks)	16	<b>GREAT 2nd Touch (Backrail)</b>	<b>4</b>
15 Oboe Horn	8	14 Minor Strings (4 Rks)	16	1 English Horn (Ten C)	16
16 Quintadena	8	15 Oboe Horn (Ten C)	16	2 English Horn	8
17 Concert Flute	8	16 Quintadena (Ten C)	16	3 Solo to Great	
18 Vox Humana	8	17 Bourdon	16	4 Solo to Great PIZZ	
19 Vox Humana	8	18 Vox Humana (Ten C)	16		
20 Octave Horn	4	19 Vox Humana (Ten C)	16		
21 Piccolo (Tibia M)	4	20 English Horn	8		
22 Gambette	4	21 Tuba Mirabilis	8		
23 Viol (2 Rks)	4	22 Trumpet	8		
24 Violin (2 Rks)	4	23 Tuba Horn	8		
25 Flute	4	24 Diaphonic Diapason	8		
26 Vox Humana	4	25 Horn Diapason	8		
27 Vox Humana	4	26 Tibia Clausa	8		
28 Twelfth	2 2/3	27 Tibia Clausa	8		
29 Piccolo	2				

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<b>ORCHESTRAL (Right Partial)</b>	<b>19</b>	<b>SOLO (CONTD)</b>	<b>28</b>	<b>ACCESSORIES / TRAPS</b>
1 English Horn (Ten C)	16	18 Piccolo	4	1 Balanced Swell Pedal (Main)
2 Bombarde	16	19 Piccolo	4	1 Balanced Swell Pedal (Solo/Master)
3 Trumpet (Ten C)	16	20 Twelfth (Tibia)	2 2/3	1 Balanced Crescendo Pedal
4 Ophicleide	16	21 Twelfth (Tibia)	2 2/3	1 Sostenuto Toe Pedal
5 Diaphone	16	22 Piccolo (Tibia)	2	2 Thunder Toe Pedals (Left & Right)
6 Tibia Clausa	16	23 Piccolo (Tibia)	2	1 Cymbal Roll - Crash (Toe Pedal)
7 Tibia Clausa (Ten C)	16	24 Tierce (Tibia)	1 3/5	13 Traps Buttons (assigned)-Left Swing-out
8 Saxophone (Ten C)	16	25 Tierce (Tibia)	1 3/5	2 Assignable Traps Buttons-Acc. Manual*
9 String Ensemble (6 Rks)	16	26 Sub Octave		7 Assignable Traps Toe Studs*
10 Vox Humana (Ten C)	16	27 Unison Off		* Assignable via remote located patch panel
11 Vox Humana (Ten C)	16	28 Octave		
12 English Horn	8			
13 Tuba Mirabilis	8	<b>SOLO (Backrail)</b>	<b>8</b>	<b>RANK DISPOSITION</b>
14 Trumpet	8	29 Piano	8	<b>MAIN (Left)</b>
15 Tuba Horn	8	30 Harp Sub		<b>Notes</b>
16 Diaphonic Diapason	8	31 Xylophone		1 Bourdon/Flute 16 - 2
17 Horn Diapason	8	32 Glockenspiel		2 Viol. D' Orchestre 8 - 2
18 Tibia Clausa	8	33 Solo Chrysoglott Sub		3 Viol. Celeste 8 - 4
19 Tibia Clausa	8	34 Solo Chrysoglott		4 Violin 8 - 4
		35 Sleigh Bells		5 Violin Celeste 8 - 4 (tc)
<b>ORCHESTRAL (Lower Right)</b>	<b>19</b>	36 Cathedral Chimes		6 Clarinet 8
20 Clarinet	8			7 Vox Humana 8 - 4
21 Orchestral Oboe	8	<b>TREMULANTS (Backrail)</b>	<b>10</b>	8 Tibia Clausa 8 - 2
22 Kinura	8	1 Diaphone, Gamba		9 Gamba 16 - 4
23 Saxophone	8	2 Main		10 Diaphonic Diapason 16 - 8
24 Gamba	8	3 Tibia Clausa (M/S)		11 Chrysoglott *
25 String	8	4 Vox Humana (M/S)		<b>SOLO (Right)</b>
26 Minor Strings (4 Rks)	8	5 Solo Flues		1 Horn Diapason 16-4
27 Vox Humana	8	6 Solo Reeds		2 Quintadena
28 Vox Humana	8	7 Tuba Horn		3 Solo String 8
29 Piccolo	4	8 Tuba Mirabilis		4 Solo Tibia Clausa 16 - 2
30 Piccolo	4	9 English Horn		5 Tuba Mirabilis 16 - 8
31 Gambette	4	10 Vibraphone		6 Tuba Horn 16 - 8
32 String	4			7 Kinura 8
33 Minor Strings (4 Rks)	4	<b>GENERAL CONTROLS</b>		8 Oboe Horn 8
34 Twelfth (Tibia)	2 2/3	(Lighted Reversibles)		9 Orchestral Oboe 8
35 Twelfth (Tibia)	2 2/3	(In Left Swing-out Drawer)		10 Brass Trumpet 8
36 Piccolo (Tibia)	2	1 Pedal Trap Select I		11 Brass Saxophone 8 (Bizik)
37 Piccolo (Tibia)	2	2 Pedal Trap Select II		12 English Post Horn 8 ** (Moller)
38 Fife (Tibia M)	1	3 Accomp Trap Select I		13 Solo Vox Humana 8 **
<b>ORCHESTRAL (Upper Right)</b>	<b>11</b>	4 Accomp Trap Select II		14 Glockenspiel/Orch. Bells
39 Piano	8	5 Accomp Traps to 2nd Touch		15 Cathedral Chimes
40 Harp Sub		6 Accomp Traps to Pedal		16 Wood Harp/Marimba *
41 Xylophone Sub		7 Celestes Off		17 Xylophone *
42 Xylophone		8 Unisons Off		18 Tuned Sleigh Bells **
43 Glockenspiel		9 VDOs Off		19 Solo Chrysoglott/Vibraphone**
44 Solo Chrysoglott		10 Marimba Re-it		20 Piano (Kurzweil/Expressive)**
45 Chrysoglott		11 Glock/Xylo Re-it		Various Traps / Accessories
46 Sub Octave		12 Piano Sustain On		* Exposed in Proscenium Arch
47 Octave		13 Sostenuto Off*		** Added to Original Specification
48 Great to Orch		14 Master Expression*		<b>Totals</b>
49 Great Octave Orch		* Not on Combo Action		Ranks
				Pipes
		<b>COMBINATION ACTION</b>		Tuned Percussions
		(Comb. Controls in Right swing-out)		Tremulants - Main
		<b>Z-TRONICS SYSTEM 2000</b>		Tremulants - Solo
		64 Memory Levels		All components WurliTzer except as noted
		60 Manual Pistons (15 / Manual)*		
		5 Toe Stud Pistons*		
		9 Divisional Cancels*		
		1 General Cancel		
				<b>Specification as of 8/2018</b>
				<b>- Russell E. Shaner, 4/23 Crew Chief</b>
7 Tibia Clausa	8	* All are 'rangeable' for all functions		
8 Clarinet	8			
9 Orchestral Oboe	8			
10 Kinura	8			
11 Saxophone	8			
12 Major Strings (2 Rks)	8			
13 Minor Strings (4 Rks)	8			
14 Oboe Horn	8			
15 Quintadena	8			
16 Vox Humana	8			
17 Vox Humana	8			