

## Specifications of the Castro Symphonic Theatre Organ

(Note: TO = Theatre Organ)

### TO Pedal:

13	32	Diaphone
25	16	Bombarde
13	16	Diaphone
10	16	Ophicleide
24	16	Double English Horn
23	16	Tibia Clausa
30	16	Tibia Clausa
17	16	Tibia Clausa
2	16	Diaphonic Horn
19	16	Bass Clarinet
22	16	Bass String - 25"
7	16	Bourdon
25	8	Tuba Mirabilis
21	8	Solo Trumpet
10	8	Tuba Horn
24	8	English Post Horn
13	8	Diaphonic Diapason
23	8	Tibia Clausa
30	8	Tibia Clausa
17	8	Tibia Clausa
22	8	Solo String - 25"
14-15	8	Gamba II
2	8	Horn Diapason
27-28	8	Strings II
19	8	Clarinet
3-4	8	Celle II
7	8	Flute
23	4	Piccolo
P4/5	16	Piano
P4/5	8	Piano
P7		Solo Harp
P1		Harp
P17		Tympani (Tuned)
T9		Bass Drum (Large)

T11	Cymbal
T10	Snare Drum (Large)
T1	Bass Drum
T3	Cymbal (Jazz)
T2	Snare Drum (Small)
T7	Chinese Gong
T4	Tambourine
T5	Castanets
T6	Chinese Block
T25	Triangle
8	TO Great to Pedal
8	Bombarde to Pedal
8	Solo to Pedal
8	Accomp to Pedal

**VO TO Pedal:**

16	VO String Bass Pizz	**AI
8	VO String Bass Pizz	**AI
16	VO String Bass Arco	**AI
8	VO String Bass Arco	**AI
	VO Tympani Roll	**AI
	VO Tympani Strike	**AI
		**AI = Audio Impressions - LTP
		1st row
		bottom piston rail

**Pedal 2nd T**

13	32	Diaphone
25	16	Bombarde
P17		Tympani (Tuned)
T9		Bass Drum (Large)
T11		Cymbal
T10		Snare Drum (Large)
T7		Chinese Gong
T2		Snare Drum (Small)
T25		Triangle

**VO TO Ped 2T**

VO Tympani Roll	**AI
VO Tympani Strike	**AI

**Pedal Divide:**

Solo Divide	Lighted Thumb Piston
Orch Divide	Lighted Thumb Piston

**Accomp:**

	Manual I
25	8 Tuba Mirabilis
24	8 English Post Horn
10	8 Tuba Horn
21	8 Solo Trumpet
37	8 Trumpet
13	8 Diaphonic Diapason
1	8 Open Diapason
17	8 Tibia Clausa
23	8 Tibia Clausa
30	8 Tibia Clausa
27-28	8 Strings II
2	8 Horn Diapason
14	8 Gamba
15	8 Gamba Celeste
36	8 Saxophone
19	8 Clarinet
3	8 Viol d'Orchestre
4	8 Viol Celeste
12	8 Krumet
35	8 French Horn
33	8 Oboe Horn
5-6	8 Salicional II
29	8 Quintadena
7	8 Concert Flute
8	8 Bois Flute Celeste
9	8 Lieblich Flute
11	8 Vox Humana
18	8 Vox Humana
26	8 Vox Humana
31	8 Vox Humana
57-60	8 Dulciana Ensemble IV
2	4 Octave (Horn)
23	4 Piccolo

30	4	Piccolo
14-15	4	Gambette II
3-4	4	Viol II
16	4	Harmonic Flute
7	4	Flute
8	4	Flute Celeste
9	4	Lieblich Gedeckt
11	4	Vox Humana
18	4	Vox Humana
26	4	Vox Humana
31	4	Vox Humana
7	2 2/3	Twelfth (Flute)
16	2	Harmonic Piccolo
7	2	Piccolo (Flute)
P4/5	16	Piano
P4/5	8	Piano
P4/5	4	Piano
P4/5		Mandolin
P7		Solo Sub Harp
P7		Solo Harp
P1		Harp Sub
P1		Harp
P14		Xylophone
P9		Chrysoglott
P9		Chrysoglott Octave
T2		Snare Drum
T10		Snare Drum (Large)
T4		Tamborine
T5		Castanets
T6		Chinese Block
T12		Sand Block
T8		Tom Tom
	16	Accomp Sub
		Accomp Unison Off
	4	Accomp Super
	8	Solo to Accomp

**Accomp 2nd T**

24	8	English Post Horn
25	8	Tuba Mirabilis

10	8	Tuba Horn
37	8	Trumpet
13	8	Diaphonic Diapason
17	8	Tibia Clausa
23	8	Tibia Clausa
17/30	8	Tibia Clausa II
36	8	Saxophone
19	8	Clarinet
22	8	Solo String (25")
23	4	Piccolo (Tibia)
17/23	4	Piccolo (Tibia) II
17/23	2	Piccolo (Tibia) II
P6		Solo Chimes
P11		Cathedral Chimes
P7		Solo Harp Sub
P7		Solo Harp
P12		Glockenspiel
T25		Triangle
T26		Birds
		T.O. Great to Accomp
		Solo to Accomp
		Solo to Accomp (Pizzicato)

**TO Great:**

		Manual II	
25	16	Bombarde	
24	16	English Horn (TC)	
21	16	Solo Trumpet (TC)	
37	16	Trumpet	
10	16	Ophicleide	
13	16	Diaphone	
2	16	Diaphonic Horn	
17	16	Tibia Clausa	
23	16	Tibia Clausa	
30	16	Tibia Clausa	
19	16	Clarinet	
36	16	Saxophone (TC)	
22	16	Solo String - 25"	
	16	String Ensemble (TC)	pulls on ranks 3/4/5/6/14/15/27/28
11	16	Vox Humana (TC)	

18	16	Vox Humana (TC)
26	16	Vox Humana
31	16	Vox Humana (TC)
25	8	Tuba Mirabilis
21	8	Solo Trumpet
37	8	Trumpet
10	8	Tuba Horn
13	8	Diaphonic Diapason
1	8	Open Diapason
2	8	Horn Diapason
17	8	Tibia Clausa
23	8	Tibia Clausa
30	8	Tibia Clausa
27-28	8	Strings II
32	8	Orchestral Oboe
34	8	Kinura
20	8	Musette
36	8	Saxophone
19	8	Clarinet
22	8	Solo String - 25"
14	8	Gamba
15	8	Gamba Celeste
3	8	Viol d'Orchestra
4	8	Viol Celeste
12	8	Krumet
35	8	French Horn
33	8	Oboe Horn
5	8	Salicional
6	8	Voix Celeste
29	8	Quintadena
7	8	Concert Flute
9	8	Lieblich Flute
11	8	Vox Humana
18	8	Vox Humana
26	8	Vox Humana
31	8	Vox Humana
30	5 1/3	Tibia Quint
17	4	Piccolo
23	4	Piccolo
30	4	Piccolo

27-28	4	Strings II
14	4	Gambette
15	4	Gambette Celeste
3	4	Viol
4	4	Viol Celeste
16	4	Harmonic Flute
7	4	Concert Flute
9	4	Lieblich Flute
17	2 2/3	Twelfth (Tibia)
23	2 2/3	Twelfth (Tibia)
9	2 2/3	Twelfth (Lieblich)
3	2	Fifteenth (VDO)
17	2	Piccolo (Tibia)
23	2	Piccolo (Tibia)
16	2	Harmonic Piccolo
7	2	Piccolo (Flute)
9	1 3/5	Tierce (Lieblich)
P4/5	16	Piano
P4/5	8	Piano
P4/5	4	Piano
P1		Solo Harp Sub
P1		Solo Harp
P7		Harp Sub
P7		Harp
P8		Solo Xylophone
P14		Xylophone
P3		Chrysoglott Sub
P3		Chrysoglott
P9		Chrysoglotte Sub
P9		Chrysoglotte
T10		Snare Drum (Large)
T2		Snare Drum (Small)
T4		Tambourine
T5		Castanets
T6		Chinese Block
T12		Sand Block
	16	TO Great Sub
		TO Great Unison Off
	4	TO Great Super
	16	Solo to TO Great

8 Solo to TO Great

**GT 2nd T**

24 16 Double English Horn  
21 16 Double Trumpet (TC)  
23 8 Tibia Clausa  
22 8 Solo String - 25"  
8 Bombarde to TO Great  
16 Solo to TO Great  
8 Solo to TO Great  
4 Solo to TO Great

**Bombarde:**

Manual III  
25 16 Bombarde  
21 16 Solo Trumpet (TC)  
13 16 Diaphone  
24 16 Dbl English Post Horn  
17 16 Tibia Clausa  
23 16 Tibia Clausa  
22 16 Double String - 25"  
3-4 16 Solo Strings II  
18 16 Vox Humana  
25 8 Tuba Mirabilis  
21 8 Solo Trumpet  
24 8 English Post Horn  
13 8 Diaphonic Diapason  
1 8 Diapason  
17 8 Tibia Clausa  
23 8 Tibia Clausa  
22 8 Solo String 25"  
3-4 8 Solo Strings II  
14 8 Gamba  
15 8 Gamba Celeste  
11 8 Vox Humana  
1 4 Octave  
25 4 Clarion (Tuba Mirabilis)  
17 4 Tibia  
23 4 Tibia  
16 4 Harmonic Flute



23	2 2/3	Twelfth (Tibia)
17	2	Piccolo (Tibia)
52-56		Grand Jeu V
P4/5	8	Piano
P2		Master Xylophone
P14		Xylophone
P12		Glockenspiel
P3		Chrysoglott
P6		Solo Chimes
T29		Zinbelstern
		Bombarde Unison Off
	8	Accomp to Bombarde
	8	TO Great to Bombarde
	16	Solo to Bombarde
	8	Solo to Bombarde
	4	Solo to Bombarde

**Solo:**

		Manual IV
38	16	Tuba Magna
10	16	Contra Tuba
21	16	Trumpet
23	16	Tibia Clausa
30	16	Tibia
17	16	Tibia
36	16	Saxophone (TC)
19	16	Bass Clarinet
38	8	Tuba Magna
25	8	Tuba Mirabilis
24	8	English Post Horn
21	8	Trumpet
50	8	Cor Anglais
19	8	Grand Clarinet
13	8	Diaphonic Diapason
23	8	Tibia Clausa
30	8	Tibia
17	8	Tibia
51	8	Stentorphone
48	8	Violon Celle
49	8	Violon Celle Celeste

46	8	Gross Gamba	
47	8	Gross Gamba Celeste	
	8	String Ensemble (A)	pulls on ranks 3/4/5/6/14/15/27/28
32	8	Orchestral Oboe	
34	8	Kinura	
20	8	Musette	
12	8	Krumet	
36	8	Saxophone	
35	8	French Horn	
10	8	Tuba Horn	
29	8	Quintadena	
	8	Vox Humana Ensemble	pulls on ranks 11/18/26/31
38	4	Tuba Magna	
23	4	Tibia Clausa	
17	4	Tibia	
30	4	Tibia	
44	4	Clear Flute	
45	4	Orchestral Flute	
23	2 2/3	Twelfth	
30	2 2/3	Twelfth	
17	2 2/3	Twelfth	
23	2	Piccolo	
17/30	2	Piccolo II	
30	1 3/5	Tierce (Tibia)	
17	1 3/5	Tierce (Tibia)	
39-43	8	Cornet V (TC)	
P4/5	8	Piano	
P6		Solo Chimes	
P11		Cathedral Chimes	
P7		Solo Harp Sub	
P7		Solo Harp	
P1		Harp Sub	
P1		Harp	
P2		Master Xylophone	
P8		Solo Xylophone	
P14		Xylophone	
P12		Glockenspiel	
P13		Sleigh Bells	
P9		Chrysoglott Sub	
P9		Chrysoglott	



Great Unison Off  
16 Swell to Great  
8 Swell to Great  
4 Swell to Great  
16 Choir to Great  
8 Choir to Great  
4 Choir to Great  
16 Positiv to Great  
8 Positiv to Great  
8 Bombarde to Great  
16 Solo to Great  
8 Solo to Great  
4 Solo to Great  
16 String to Great  
8 String to Great  
4 String to Great

**Swell:**

Manual III  
16 Gamba ext 8 Gamba  
16 Gedeckt  
8 Diapason  
8 Geigen Principal  
8 Rohrflote  
8 Hohlflote  
8 Gamba  
8 Salicional  
8 Voix Celeste  
8 Dulcettes III  
8 Flauto Dolce  
8 Flute Celeste  
4 Octave  
4 Holzflote  
4 Flute Harmonique  
2 2/3 Nazard  
2 Doublette  
2 Spillflote  
1 3/5 Tierce  
1 1/7 Septieme  
1 Sifflete ext 2 Spillflote

2 Plein Jeu IV  
1 Cymbel III  
32 Contre Basson ext 16 Basson  
16 Contre Trompette  
16 Basson  
8 Trompette  
8 Trumpet  
8 Hautbois  
8 Corno d'Amore  
8 Voix Humaine (pp)  
8 Vox Humana  
4 Clarion Harmonique  
Tremulant  
Tremulant Vox  
8 Festival Trumpet (Great)  
16 Swell to Swell  
Swell Unison Off  
4 Swell to Swell  
8 Choir to Swell  
8 Positiv to Swell  
8 Bombarde to Swell  
8 Solo to Swell  
4 Solo to Swell  
16 String to Swell  
8 String to Swell  
4 String to Swell

**Choir:**

Manual I  
16 Erzahler ext 8 Erzahler  
16 Erzahler Celeste ext 8 Erzahler Celeste  
8 English Diapason  
8 Viola Pomposa  
8 Viola Celeste  
8 Hohlflote  
8 Erzahler  
8 Erzahler Celeste  
4 Octave  
4 Flute d' Amour  
2 2/3 Rohr Nazard

	2	Spitzprincipal	
	2	Piccolo	
	1 3/5	Tierce	
	1 1/3	Larigot	
	1	Mixture IV	
		Jeu de Clochette II	
	16	Fagotto	
	16	Bass Clarinet	ext 8 Clarinet
	8	Petite Trompette	
	8	Clarinet	
	4	Rohr Schalmel	
	8	Trompette Heroique	(Fanfare)
38	8	Tuba Magna	(Solo)
38	4	Tuba Clarion	(Solo)
		Harp	
		Celesta	ext Harp
P8		Chrysoglott	(Solo)
		Tremulant	
	16	Choir to Choir	
		Choir Unison Off	
	4	Choir to Choir	
	8	Great to Choir	
	16	Swell to Choir	
	8	Swell to Choir	
	4	Swell to Choir	
	8	Solo to Choir	
	4	Solo to Choir	
	8	Bombarde to Choir	
		String on I off IV	

**Choir Virtual Strings**

Violins I	*AI
Violins II	*AI
Violas	*AI
Celli	*AI
Contra Bass	*AI
Senza Vib	*AI
Con Sordino	*AI
Marcato	*AI
Pizzicato	*AI

Tremolando \*AI  
pp \*AI  
ff \*AI

**Accomp 2nd T**

Celli \*AI  
Trumpets \*AI  
French Horns \*AI  
Full Brass DVZ \*AI

\*AI = Audio Impress. LTP bottom  
Rt side jam

**Positiv**

Manual I  
16 Quintade  
8 Principal  
8 Montre  
8 Voce Umana  
8 Holzgedeckt  
4 Prinzpal ext 8 Principal  
4 Koppelflote  
2 2/3 Nazat  
2 Octav  
2 Hohlflote  
1 3/5 Terz  
1 1/3 Quint ext 2 2/3 Nazat  
1 Sifflet ext 2 Hohlflote  
2/3 Scharf IV  
1/2 Cymbel III  
16 Dulzian  
8 Krummhorn  
8 Trompette  
4 Clairon  
4 Trichterregal  
Tremulant  
16 Positiv to Positiv  
Positiv Unison Off  
Positiv on IV off I

**Grand Orgue**

	Manual IV	
16	Contre Principal	ext 8 Diapason
16	Bourdon	ext 8 Bourdon
8	Diapson	
8	1st Principal	
8	2nd Principal	
8	Bourdon	
8	Clarabella	
8	Flute Harmonique	
4	Major Octave	
4	Minor Octave	ext 2nd Principal
4	Hohlflote	
4	Gedeckt	
2 2/3	Nazard Ouvert	
2	Principal	
2	Piccolo Harmonique	
1 3/5	Tierce	
1 1/3	Larigot	
2 2/3	Grand Fourniture IV	
1 1/3	Fourniture II-IV	
16	Tromba	
8	Bombarde	
5 1/3	Quint Tromba	
4	Clairon	
	Tremulant	
16	Grand Orgue Sub	
	Grand Orgue Unison Off	
4	Grand Orgue Super	
	Grand Orgue on VI	Lighted Thumb Piston
	Grand Orgue off IV	Lighted Thumb Piston
	Grand Orgue on III	Lighted Thumb Piston
	Grand Orgue on II	Lighted Thumb Piston
	Grand Orgue on I	Lighted Thumb Piston

**String:**

	Manual IV	
16	Violone	ext 8 Violoncello
16	Violone Celeste (Sharp)	ext 8 Violoncello Celeste
16	Contra Gamba	ext 8 Viola de Gamba



		ext 8 Viola de Gamba Celeste (sharp)
16	Gamba Celeste (Sharp)	
16	Quintaten	ext 8 Quintadena
8	Violoncello	
8	Violoncello (Sharp)	
8	Violoncello (Flat)	
8	Viola de Gamba	
8	Viola de Gamba (Sharp)	
8	Viola de Gamba (Flat)	
8	Dulcettes III	
8	Viol d' Orchestre	
8	Viol d' Orchestre (Sharp)	
8	Viol d' Orchestre (Flat)	
8	Viole a Pavillon	
8	Viole a Pavillon (Sharp)	
8	Viole a Pavillon (Flat)	
8	Viola	
8	Viola Celeste (Sharp)	
8	Viola Celeste (Flat)	
8	Viola d' Amour	
8	Viola d' Amour (Sharp)	
8	Viola d' Amour (Flat)	
8	Viole Sourdine (Muted)	
8	Viole Sourdine (Sharp)	
8	Viole Sourdine (Flat)	
8	Quintadena	
4	Violino	ext 8 Viole d'Orchestre
4	Violino Celeste (Sharp)	ext 8 VDO Celeste (Sharp)
4	Violino Celeste (Flat)	ext 8 VDO Celeste (Flat)
4	Gambette	
4	Gambette Celeste (Sharp)	
4	Gambette Celeste (Flat)	
4	Violette	
4	Violette Celeste II	
2 2/3	Viol Quint	should this be an extension
2	Viol Super Octave	should this be an extension
1 3/5	Viol Terz	should this be an extension
2	Plein Jeu V-VII (Viol)	
	Tremulant I	
	Vibrato	

- 16 String to String  
String Unison Off
- 4 String to String

**Dulciana**

Manual I

- 16 1st Double Dulciana ext 8 3rd Dulciana
- 16 1st Dbl Dulciana Celeste ext 8 3rd Dulciana Celeste
- 8 1st Dulciana
- 8 1st Dulciana Celeste
- 8 2nd Dulciana
- 8 2nd Dulciana Celeste
- 8 3rd Dulciana
- 8 3rd Dulciana Celeste
- 8 4th Dulciana
- 8 4th Dulciana Celeste
- 4 1st Octave Dulciana ext 8 2nd Dulciana
- 4 1st Oct Dulciana Celeste ext 8 2nd Dulciana Celeste
- 4 2nd Octave Dulciana ext 8 3rd Dulciana
- 4 2nd Oct Dulciana Celeste ext 8 3rd Dulciana Celeste
- 2 2/3 Twelfth Dulciana should this be an extension???
- 2 Fifteenth Dulciana should this be an extension???
- 1 1/3 Nineteenth Dulciana should this be an extension???
- 1 Twenty Second Dulciana should this be an extension???
- 2/3 Twenty-Sixth Dulciana should this be an extension???
- Tremulant I
- Tremulant II
- 16 Dulciana Sub
- Dulciana Unison Off
- 4 Dulciana Super
  
- Dulciana off I Lighted Thumb Piston
- Dulciana on II Lighted Thumb Piston
- Dulciana on III Lighted Thumb Piston
- Dulciana on IV Lighted Thumb Piston

**Orchestral**

Manual V

review this division

- 8 Duophone
- 8 Tibia (Major)

	8	Concert Flute	
	8	Covered Flute	
	8	Harmonic Flute	
	8	String Flute	
	8	Double Flute	
	8	Orchestral Flute	
	4	Tibia (Minor)	
	4	Flute Harmonique	
	2 2/3	Tibia (Minor)	ext 4 Tibia (Minor)
	2	Harmonic Piccolo	ext 4 Flute Harmonique
	16	Bass Clarinet	ext 8 Clarinet
	16	Bass Saxophone	ext 8 Saxophone
	16	Cor Anglais	ext 8 Cor Anglais
	8	Tuba Horn	
	8	Saxophone	
	8	Clarinet	
	8	Basset Horn	
	8	Orchestral Oboe	
	8	1st French Horn	
	8	2nd French Horn	
	8	3rd French Horn	
	8	Cor Anglais	
		Tremulant I	
		Tremulant II	
P9		Chrysoglott	(Solo)
P12		Glockenspiel	(Solo)
	16	Orchestral Sub	
		Orchestral Unison Off	
	4	Orchestral Super	
		Orch off VI	Lighted Thumb Piston
		Orch on IV	Lighted Thumb Piston
		Orch on III	Lighted Thumb Piston
		Orch on II	Lighted Thumb Piston
		Orch on I	Lighted Thumb Piston
<b>Virtual Orchestra</b>		Manual VI	
<b>Virtual Strings</b>		Violins I	

Violins I 8va  
Violins II  
Violas  
Celli  
Bass  
Solo Players  
Senza Vibrato  
Marcato  
Pizzicato  
Termolando  
Harmonics  
Con Sordino  
Spiccato

V/S on I	Lighted Thumb Piston
V/S on II	Lighted Thumb Piston
V/S on III	Lighted Thumb Piston
V/S on IV	Lighted Thumb Piston
V/S off VI	Lighted Thumb Piston

**Virtual Woodwinds**

Flutes  
Flutes 8va  
Oboes  
Clarinets  
Bassoons  
Contra Winds  
Solo Players  
Marcato  
Asian Winds (Voicing)  
Middle Eastern Winds  
(Voicing)

V/W on I	Lighted Thumb Piston
V/W on II	Lighted Thumb Piston
V/W on III	Lighted Thumb Piston
V/W on IV	Lighted Thumb Piston
V/W off VI	Lighted Thumb Piston

**Virtual Brass**

Trumpets  
French Horns  
Wagner Tuben  
Trombones  
Contra Brass  
Solo Players  
Marcato  
Straight Mute  
Cup Mute

V/B on I	Lighted Thumb Piston
V/B on II	Lighted Thumb Piston
V/B on III	Lighted Thumb Piston
V/B on IV	Lighted Thumb Piston
V/B off VI	Lighted Thumb Piston
V/B on VII	Lighted Thumb Piston

Special VO Features - located

on 6th manual	LTP = Lighted Thumb Piston
All VO Exp/Solo	LTP - Left keycheek
Full Compass	LTP - Left keycheek
Baroque Orch (Voicing)	LTP - Left keycheek
Cross Section DVZ	LTP - Left keycheek
ff	LTP - Left keycheek
pp	LTP - Left keycheek
<>	LTP - Left keycheek
Touch Sensitive	LTP - Left keycheek
Cymbal Crash (f)	**
Cymbal Roll (f)	**
Cymbal Crash (mf)	**
Cymbal Roll (mf)	**
Timpani Stike (mf)	**
Timpani Roll (mf)	**

\*\* - special push buttons above  
Choir man ext.

**Fanfare**

Manual VII

16	Trompette en Chamade	ext 8 Trompette en Chamade
16	Contra Tromba	ext 8 Tromba

8	Trompette Heroique	speaks from Left Front
8	Trompette en Chamade	speaks from Rear
8	Tromba	speaks from Right Front
8	Tuba Magna	(Solo)
5 1/3	Tromba Quint	(G.O.)
4	Clairon Heroique	ext 8 Trompette Heroique
4	Trompette en Chamade	ext 8 Trompette en Chamade
4	Tuba Clarion	ext 8 Tuba Magna
	Cornet V (TC)	
	Fanfare Unison Off	
	Brass Ensemble	Fanfare MIDI A tab
	Orchestral Trumpet	Fanfare MIDI B tab
	Fanfare off VII	Lighted Thumb Piston (LTP)
	Fanfare on VI	Lighted Thumb Piston
	Fanfare on III	Lighted Thumb Piston
	Fanfare on II	Lighted Thumb Piston
	Fanfare on I	Lighted Thumb Piston

**Percussion**

Manual VI	
Harp	by Audio Impressions - LTP
Harpsicord	by Audio Impressions - LTP
Piano	by Audio Impressions - LTP
Tack Piano	by Audio Impressions - LTP
Glass Harmonica	by Audio Impressions - LTP
Theremin	by Audio Impressions - LTP
Chromatic Percussion	by Audio Impressions - LTP
Sound FX	by Audio Impressions - LTP
Percussion Transfer	
on I	Lighted Thumb Piston
on II	Lighted Thumb Piston
on III	Lighted Thumb Piston
on IV	Lighted Thumb Piston
off VI	Lighted Thumb Piston
on VII	Lighted Thumb Piston
Perc exp #2	Lighted Thumb Piston
Perc exp #4	Lighted Thumb Piston

Perc cancel

Thumb Piston

**Toy Drawer - Left side**

Traps fff  
Surf  
Pedal Bird  
Accomp Bird  
Horses  
Train Bell  
Wind  
Thunder mf  
Thunder fff  
Wind Chimes Up  
Wind Chimes Down  
Chinese Gong  
Cuckoo  
Bird  
Train Whistle  
Auto  
Ah Oogah  
Bulb Horn  
Slide Whistle  
Acme Siren  
Wood Block  
Tune Horn  
Buzzer  
Bronx Cheer  
Vibra Slap  
Police Siren  
Splash Cymbal  
Sustain  
Sostenuto  
Cancel

Console Lift:

UP

Large Green Button

STOP

Large Red Button

DOWN

Large Green Button

**Classic Pedal:**

64	Gravissima	
32	Double Open	
32	Contra Principal	
32	Contre Bourdon	
32	Klein Untersatz	
32	Contra Violone	
32	Contra Gemshorn	(Great)
32	Contre Gamba	(Swell)
21 1/3	Double Quint	
16	Open Wood	
16	Principal	
16	Contrabasse	(Great)
16	Gamba Celeste II	(Solo)
16	Violone	
16	Dulciana	(Dulc)
16	Erzahler	(Choir)
16	Subass	
16	Bourdon	
16	Quintade	(Positiv)
16	Lieblich Gedeckt	independent; exp with Swell
10 2/3	Quinte	
8	Octave Open Wood	
8	Octave Principal	
8	Geigen Diapason	
8	Gemshorn	(Great)
8	Bourdon	
8	Gedeckt	
6 2/5	Gross Tierce	
5 1/3	Gross Quinte	
4 4/7	Gross Septieme	
4	Choralbass	
4	Nachthorn	
4	Flute	
2 2/7	Septieme	
2	Principal	
2	Holzflote	
32	Grand Cornet VII	Collective (composition)
2 2/3	Gross Mixture IV	



1 1/3	Fourniture V	
64	Contra Trombone	
32	Contre Bombarde	
32	Contra Fagotto	
32	Contre Basson	(Swell)
16	Bombarde	
16	Double Trumpet	(Great)
16	Contre Trompette	(Swell)
16	Basson	(Swell)
16	Fagotto	(Choir)
16	Dulzian	(Positiv)
10 2/3	Quint Tromba	(G.O.)
8	Trompette	
8	Bombarde	
8	Fagotto	(Choir)
8	Krummhorn	(Positiv)
4	Clairon	
4	Bombarde Harmonique	(Bomb)
4	Rohrschalmei	
2	Zink	
8	Great to Pedal	
4	Great to Pedal	
8	Swell to Pedal	
4	Swell to Pedal	
8	Choir to Pedal	
4	Choir to Pedal	
8	Positiv to Pedal	
8	Solo to Pedal	
4	Solo to Pedal	
8	Bombarde to Pedal	
8	String to Pedal	
4	String to Pedal	
8	Dulciana to Pedal	
8	Orchestral to Pedal	
8	VO Strings to Pedal	
8	VO Woods to Pedal	
8	VO Brass to Pedal	
8	Grand Orgue to Pedal	

**String Pedal:**

13	32	Contra Diaphone	
	32	Contre Gamba	ext 16 Gamba
	32	Contra Violone	ext 16 1st Violone
	16	Diaphone	ext 32 Contra Diaphone
	16	Gamba	
	16	1st Violone	
	16	1st Violone Celeste	
	16	2nd Viol	
	16	2nd Viol Celeste	
	8	Diaphone	ext 32 Contra Diaphone
	8	Gamba	ext 16 Gamba
	8	1st Violone	ext 16 1st Violone
	8	1st Violone Celeste	ext 16 1st Violone Celeste
	8	2nd Viol	ext 16 2nd Violone
	8	2nd Viol Celeste	ext 16 2nd Violone Celeste
	4	Viol Celeste II	ext 16 2nd Violone & Celeste
10 2/3		String Mutation	*
	8	String Mutation	*
5 1/3		String Mutation	*
	4	String Mutation	*
2 2/3		String Mutation	*
	2	String Mutation	*
1 3/5		String Mutation	*
1 1/3		String Mutation	*
4/5		String Mutation	*
	32	Grand String Mixture XII	pulls on all * stops collectively

**Antiph Pedal**

32	Contra Principal	ext 16 Principal
32	Contre Bourdon	
32	Double Dulciana	ext 16 Dulciana
16	Open Wood	
16	Principal	
16	Bourdon	
16	Dulciana	
16	Lieblich Gedeckt	ext 8 Gedeckt
8	Open Wood	ext 16 Open Wood
8	Octave	ext 16 Principal

8	Bourdon	ext 16 Bourdon
8	Gedeckt	
8	Dulciana	ext 16 Dulciana
4	Choral Bass	ext 16 Principal
4	Flute	ext 8 Gedeckt
2 2/3	Mixture V	
32	Contre Bombarde	ext 16 Bombarde
16	Bombarde	
16	Bass Clarinet	ext 8 Clarinet
8	Tromba	ext 16 Bombarde
8	Clarinet	
4	Clairon	ext 16 Bombarde

## **Reversibles:**

Great to Pedal	Thumb Piston & Toe Spoon
T.O. Great to Pedal	Thumb Piston & Toe Spoon
Swell to Pedal	Thumb Piston & Toe Spoon
Bombarde to Pedal	Thumb Piston & Toe Spoon
Choir to Pedal	Thumb Piston & Toe Spoon
Accomp to Pedal	Thumb Piston & Toe Spoon
Dulciana to Pedal	Thumb Piston
Positiv to Pedal	Thumb Piston & Toe Spoon
Solo to Pedal	Thumb Piston & Toe Spoon
String to Pedal	Thumb Piston
Grand Orgue to Pedal	Thumb Piston
Orchestral to Pedal	Thumb Piston
V.O. Strings to Pedal	Thumb Piston
V.O. Woods to Pedal	Thumb Piston
V.O. Brass to Pedal	Thumb Piston
8 Fanfare to Pedal	Thumb Piston & Toe Spoon
4 Fanfare to Pedal	Thumb Piston
Swell to Great	Thumb Piston
Choir to Great	Thumb Piston
Accomp to Great	Thumb Piston
Solo to Great	Thumb Piston
Bombarde to Great	Thumb Piston
Choir to Swell	Thumb Piston
String to Swell	Thumb Piston
Solo to Swell	Thumb Piston

Bombarde to Swell	Thumb Piston
Swell to Choir	Thumb Piston
Solo to Choir	Thumb Piston
Strings On I Off IV	Thumb Piston
Great to Choir	Thumb Piston
Bombarde to Choir	Thumb Piston
64 Contra Trombone	Toe Piston
64 Gravissima	Toe Piston
32 Contre Basson (SW)	Toe Piston
32 Contre Gamba (SW)	Toe Piston
32 Violonbasse (GT)	Toe Piston
32 Diaphone (STR)	Toe Piston
32 Contra Bombarde	Toe Piston
32 Contre Fagotto	Toe Piston
32 Contre Dulciana	Toe Piston
32 Klein Untersatz	Toe Piston
Crash Cymbal f	Toe Piston
Crash Cymbal fff	Toe Piston
Cymbal Roll	Toe Piston
Bass Drum	Toe Piston
Gong	Toe Piston
Program	Toe Piston
32 Contre Violone	Toe Spoon
32 Contre Bourdon	Toe Spoon
32 Contra Principal	Toe Spoon
32 Double Open	Toe Spoon
32 Contra Bombarde (A Ped)	Toe Spoon
32 Contre Bourdon (A Ped)	Toe Spoon
Great On IV Off II	Thumb Piston
Positiv On IV Off I	Thumb Piston
Bombarde On IV Off III	Thumb Piston - Man IV Rt Keyck
Tutti I	Thumb Piston & Toe Spoon
Tutti II	Thumb Piston & Toe Spoon
Next	Thumb Piston
Zimbelstern	Thumb Piston
Choir/Great Transfer	Thumb Piston
Orch Crescendo I	Thumb Piston
Orch Crescendo II	Thumb Piston
All Swells to Swell #3	Thumb Piston & Toe Spoon
All Swells to #4	Toe Spoon

Pedal Exp / Ch #2	Thumb Piston
Great Reeds Exp / Ch #2	Thumb Piston
Great Flues Exp / Ch #2	Thumb Piston
G.Org Dig Flues exp #1	Thumb Piston
G.Org Dig Reeds exp #1	Thumb Piston
Positiv Reeds exp #2	Thumb Piston
String exp #4	Thumb Piston
String exp #1	Thumb Piston
Dulciana exp w/ String	Thumb Piston
Orch exp #4	Thumb Piston
Orch exp #2	Thumb Piston
V.O. Strings exp #3	Thumb Piston
V.O. Strings exp #4	Thumb Piston
V.O. Woods exp #2	Thumb Piston
V.O. Woods exp #4	Thumb Piston
V.O. Brass exp #2	Thumb Piston
V.O. Brass exp #3	Thumb Piston
All V.O. exp #4	Thumb Piston
V.O. Strings Cancel	Thumb Piston
V.O. Woods Cancel	Thumb Piston
V.O. Brass Cancel	Thumb Piston
Classic Trems Full	Thumb Piston
Theatre Trems Full	Thumb Piston

## **Ventils (Silencers)**

Trems Off	Lighted Thumb Piston
Celestes Off	Lighted Thumb Piston
Mixtures Off	Lighted Thumb Piston
Reeds Off	Lighted Thumb Piston
Man 16/32-Ped 32 Off	Lighted Thumb Piston
Silencer Cancel	Thumb Piston

## **MIDI**

Pedal A & B	Lighted Thumb Piston
Man I A & B	Lighted Thumb Piston
Man II A & B	Lighted Thumb Piston
Man III A & B	Lighted Thumb Piston
Man IV	Lighted Thumb Piston
Man V	Lighted Thumb Piston
Man VI	Lighted Thumb Piston

Pedal 2nd Touch	Lighted Thumb Piston
Manual I 2nd Touch	Lighted Thumb Piston
Manual II 2nd Touch	Lighted Thumb Piston
Fanfare: Brass Ensemble	Stop Tab
Man VII: Orch Trumpet	Stop Tab

## **Piano Levers (2 stage)**

Cymbal Roll / Crash	Piano Lever
Gong Roll / Crash	Piano Lever
Snare & Tymp Roll / Crash	Piano Lever

## **Melody Controls:**

Bass Continuo	Lighted Thumb Piston
Melody Swell	Lighted Thumb Piston
Melody Solo	Lighted Thumb Piston
Tuba Solo Sub	Lighted Thumb Piston

## **Antiph Controls:**

Orch Main Off	Lighted Thumb Piston
Orch Ant On	Lighted Thumb Piston
V.O.Main Off	Lighted Thumb Piston
V.O. Ant On	Lighted Thumb Piston
Choir Main Off	Lighted Thumb Piston
Choir Ant On	Lighted Thumb Piston
Theatre Main Off	Lighted Thumb Piston
Theatre Ant On	Lighted Thumb Piston
Swell Main Off	Lighted Thumb Piston
Swell Ant On	Lighted Thumb Piston
String Main Off	Lighted Thumb Piston
String Ant On	Lighted Thumb Piston
MIDI Main Off	Lighted Thumb Piston
MIDI Ant On	Lighted Thumb Piston
G.O. Main Off	Lighted Thumb Piston
G.O. Ant On	Lighted Thumb Piston

## **Expression Shoes**

*Classic Mode*  
(left to right)  
Orch / Dulciana / Fanfare  
Choir / String / V.O. Strings  
Swell / V.O. Woods

Solo / V.O. Brass  
Crescendo

*Theatre Mode*  
(left to right)  
Found / Orch / Dulc / Fanfare  
Main / Choir / Strg / V.O. Stg  
Solo / V.O. Woods  
Swell / V.O.Brass  
Crescendo

**Combination Action:**

Generals: 1 - 20	Thumb & Toe
Choir: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck I (Left)
Accomp: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck I (Left)
Positiv: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck I (Left)
Dulciana: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck I (Left)
Great: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck II (Left)
T.O. Great: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck II (Left)
Swell: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck III (Left)
Bombarde: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck III (Left)
Solo: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck IV (Left)
Grand Orgue: 1 - 6; Key Cheek Cancel	Thumb; Cancel Key Ck IV (Left)
String: 1 - 8; Key Cheek Cancel	Thumb; Cancel Key Ck IV (Left)
Orchestral: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck IV (Left)
V.O. Strings: 1 - 4; Key Cheek Cancel	Thumb; Cancel Key Ck V (Left)
V.O. Woods: 1 - 4; Key Cheek Cancel	Thumb; Cancel Key Ck V (Left)
V.O. Brass: 1 - 4; Key Cheek Cancel	Thumb; Cancel Key Ck V (Left)
Fanfare: 1 - 7; Key Cheek Cancel	Thumb; Cancel Key Ck VII (Left)
Pedal: 1 - 10; Key Cheek Cancel	1-6 Toe; 7-10 Thumb: Can Key Ck I (Left)
Percussion AI: Key Cheek Cancel	Thumb; Cancel Key Ck I (Left)
V.O. Pedal: Key Cheek Cancel	Thumb; Cancel Key Ck I (Left)
Set:	Thumb (piston rail 1 & control panel tray)
Cancel:	Thumb; (control panel tray)
Next:	Thumb; Manuals I-V & VII
Previous:	

## Features:

*Transposer:* A thirteen-position transposer is included on this instrument. The transposer affects both pipe stops and digital voices. The range of the transposer is 6 steps sharp and 6 steps flat. A most important feature of the transposer is that it cancels and returns to normal pitch when general cancel is activated. This ensures that subsequent pieces are not played in a difficult and wrong key.

*Bass Coupler:* The bass coupler allows any pedal stops that are “on” to be played from the lowest key depressed on the Great keyboard. This function allows a musician that is not comfortable playing the pedals to engage the entire tonal resources of the instrument.

*Melody Couplers:* The melody couplers are designed to allow the organist to “solo” out the melody, utilizing stops from another division, on the top key depressed on the Great keyboard. These controls are set up to affect the Swell and Solo divisions and do capture on the general pistons of the combination action.

*Multiple Programmable Crescendos:* The Walker Paradox console control system incorporates multiple user programmable crescendos. Most usual configurations include two 63-stage crescendos. The default crescendo is active on the crescendo shoe when the instrument is turned on. The alternate crescendo is activated by means of a “Alt Cres” piston. The currently active crescendo is displayed on the third line of the LCD display. Setting up the crescendo(s) is activated through the menu in the LCD display.

*Programmable Tutti(s):* The Walker Paradox console control system features two user settable Tutti. The Tutti is activated by either a thumb piston or toe stud. A Tutti indicator light is incorporated into the top of the crescendo LED bar graph to indicate when it is active.

*Tremulant Full:* This instrument includes a “Tremulant Full” control that provides an overall alternative Tremulant for all divisions. When this control is activated an alternative, typically deeper Tremulant affects all applicable stops and is independently adjustable, stop by stop, for speed and depth.

*Great/Choir Transfer:* Activation of the “GT/CH Trans” piston in essence causes the Great and Choir keyboards to “flip”. The Great keying is now derived from the bottom keyboard and the Choir keying is activated from the middle keyboard. This control also causes the divisional memories to “move” along with the keying. (*i.e.* the Great divisional pistons are now on the bottom keyboard piston rail and the Choir divisional pistons are on the middle keyboard piston rail. This function affects only the divisional memory pistons. It does not “move” any of the other pistons.

*Piston Sequencing:* The Walker Paradox system includes piston-sequencing capabilities. This feature enables the organist to step through the general memory pistons in sequential



order. “NEXT” and “PREV” pistons and toe studs are installed and with each push of one of these controls, the system advances or reverses one general memory. The organist selects which general memory they wish to start with and can then step up or down through all the general memories of all the memory levels in that memory bank. The pistons sequencing function will cross over into subsequent memory levels but will not cross over memory banks.

*Additional Special Features:* Most typical pipe organ features are available within the Walker Paradox PD3 control system.

Ventils (celestes off, reeds off, mixtures off, 16/32’s off) These controls allow the organist to turn all of the stops associated with that control to silenced with the one control. Pressing the control again will turn those associated stops that were previously on, back on.

Expression couplers (All Swells to #3; All Swells to #4): Activating one of these controls “moves” all of the expression controls to the respective expression shoe. This allows the organist to control all of the stops that are under expression with one shoe movement.