

# RENAISSANCE QUANTUM™

BY ALLEN

Featuring **QUAD SUITE™** Voicing:  
American Classic / French Romantic / Neo-Baroque / English Cathedral  
With patented **Acoustic Portrait™** technology



~~Q325  
50 Stop/200 Voice  
Three Manual Console~~

Q345  
58 Stop/232 Voice  
Three-Manual Console



# Renaissance Quantum™ Q325 50 Stop 200 Voice Three-Manual Console

## American Classic Specification

PEDAL		POSITIV	
32	Contre Bourdon	16	Contra Viole
16	Diapason	8	Holzgedackt
16	Bourdon	8	Voix Celeste III
16	Bourdon doux (Sw)	4	Prinzpal
16	Contra Viole (Po)	4	Koppelflöte
8	Octave	2	Oktav
8	Gedackt	1 1/3	Quintflöte
4	Choralbass		Mixture III
	Mixture III	8	Festival Trumpet
32	Contre Posaune	8	Krummhorn
16	Posaune		Tremulant
16	Basson (Sw)		Celesta (Sw)
8	Trompette		
4	Clarion		
SWELL		COUPLERS & GENERALS	
16	Bourdon doux	8	Great To Pedal
8	Bourdon	8	Swell To Pedal
8	Salicional	8	Positiv To Pedal
8	Voix Celeste		MIDI On Pedal
4	Prestant		Swell Unison Off
4	Flûte		MIDI On Swell
2 2/3	Nasard	8	Swell To Great
2	Octavin	8	Positiv To Great
1 3/5	Tierce		MIDI On Great
	Fourniture IV	8	Swell To Positiv
16	Basson		Positiv Unison Off
8	Trompette		MIDI On Positiv
8	Hautbois		Melody Coupler Po > Gt
	Tremulant		Bass Coupler
	Celesta		Gt-Po Manual Transfer
			Alternate Tuning
			Tremulants Full
			Gt-Pd Unenclosed
			Positiv Unenclosed
			Positiv Express w/Swell
			Swell Mains Off
			Swell To Antiphonal
			Gt-Po-Pd Mains Off
			Gt-Po-Pd To Antiphonal
			Zimbelstern (Orchestral
			Cymbal on Orchestral
			Specification)
GREAT			
16	Bourdon doux (Sw)		
8	Diapason		
8	Flûte Harmonique		
8	Salicional (Sw)		
8	Voix Celeste (Sw)		
4	Octave		
4	Spitzflöte		
2	Fifteenth		
	Mixture IV		
8	Trompette		
	Tremulant		
	Chimes		

### Q325 Features:

- Quad Suite™ with Voicing Display and Bar Graph
- Console Controller™ with Transposer and Acoustic Portrait™ Switch
- Air Regulator™, Piston Sequencer™ and Sostenuto
- General, GS and XG MIDI compatibility
- Reed Switch keying standard; OST™ (Optical Sensing Technology) keying optional
- Console Dimensions: Width 65-1/4" (165.8 cm); Height: 51-1/2" (131 cm); Depth: 35" (88.9 cm); Depth with pedalboard and bench: 58" (147.3 cm)
- Audio System: 5 channels totaling 420 watts RMS, 4 full-range speaker cabinets (minimum), one bass cabinet.

Specifications and stop lists subject to change without notice or obligation

## English Cathedral Specification

PEDAL	
32	Soubasse
16	Open Diapason
16	Bourdon
16	Contra Dulciana (Ch)
16	Lieblich Flute (Sw)
8	Octave
8	Bass Flute
4	Choralbass
	Mixture IV
32	Double Ophicleide
16	Ophicleide
16	Waldhorn (Sw)
8	Trumpet
4	Clarion

SWELL	
16	Lieblich Flute
8	Harmonic Flute
8	Viola
8	Viola Celeste
4	Principal
4	Concert Flute
2 2/3	Nasard
2	Piccolo
1 3/5	Tierce
	Mixture V
16	Waldhorn
8	Cornopean
8	Oboe
	Tremulant
	Celesta

GREAT	
16	Lieblich Flute (Sw)
8	Open Diapason
8	Stopped Diapason
8	Viola (Sw)
8	Viola Celeste (Sw)
4	Octave
4	Harmonic Flute
2	Fifteenth
	Mixture IV
8	Tromba
	Tremulant
	Carillon

CHOIR	
16	Contra Dulciana
8	Claribel Flute
8	Viola Celeste II
4	Geigen
4	Lieblichgedeckt
2	Flageolet
1 1/3	Quintflöte
	Dulciana Mixture III
8	Tuba
8	Clarinet
	Tremulant
	Celesta (Sw)

## French Romantic Specification

PÉDALE	
32	Soubasse
16	Contrebasse
16	Flûte
16	Contra Dulciana (Po)
16	Bourdon doux (Réc)
8	Basse
8	Flûte
4	Prestant
	Mixture IV
32	Contre Bombarde
16	Bombarde
16	Bombarde (Réc)
8	Trompette
4	Clarion

RÉCIT	
16	Bourdon doux
8	Bourdon
8	Gambe
8	Voix Céleste
4	Prestant
4	Flûte Traversière
2 2/3	Nasard
2	Octavin
1 3/5	Tierce
	Plein-jeu IV
16	Bombarde
8	Trompette
8	Hautbois
	Trémolo
	Célesta

GRAND-ORGUE	
16	Bourdon doux (Réc)
8	Montre
8	Flûte Harmonique
8	Gambe (Réc)
8	Voix Céleste (Réc)
4	Prestant
4	Flûte
2	Doublette
	Progression Harmonique IV
8	Trompette
	Trémolo
	Carillon

POSITIF	
16	Dulciana
8	Bourdon
8	Dulciana Céleste II
4	Principal
4	Flûte Conique
2	Doublette
1 1/3	Larigot
	Cymbale III
8	Trompette en chamade
8	Cromorne
	Trémolo
	Célesta (Réc)

**RENAISSANCE**  
**QUANTUM™**  
BY ALLEN

**Renaissance Quantum™  
Q325 50 Stop/200 Voice  
Three-Manual Console**

**Neo-Baroque  
Specification**

**PEDAL**

32	Untersatz
16	Principal
16	Subbass
16	Contra Salicional (Po)
16	Lieblichgedeckt (Sw)
8	Octave
8	Metal Gedackt
4	Choralbass
	Rauschpfeife III
32	Contra Fagott
16	Fagott
16	Fagott (Sw)
8	Trompete
4	Claron

**SWELL**

16	Lieblichgedeckt
8	Rohrfloete
8	Salicional
8	Voix Celeste
4	Flachfloete
4	Spitzfloete
2 2/3	Nasat
2	Nachthorn
1 3/5	Terz
	Mixture IV
16	Fagott
8	Trompete
8	Oboe Schalmel
	Tremulant
	Celesta

**GREAT**

16	Lieblichgedeckt (Sw)
8	Principal
8	Kupfergedeckt
8	Salicional (Sw)
8	Voix Celeste (Sw)
4	Octave
4	Koppelfloete
2	Principal
	Mixture IV-V
8	Trompete
	Tremulant
	Chimes

**POSITIV**

16	Contra Salicional
8	Holzgedackt
8	Voix Celeste II
4	Principal
4	Rohrfloete
2	Gemshorn
1 1/3	Klein Nasat
	Scharf III
8	Trompeta Real
8	Krummhorn
	Tremulant
	Celesta (Sw)

**Orchestral  
Specification\***

**PEDAL**

32	Subbass
16	Open Diapason
16	Bourdon
16	Cello (Sw)
16	Flute (Sw)
8	Octave
8	Bass Flute
4	Choralbass
	Mixture IV
32	Double Ophicleide
16	Ophicleide
	Harpsichord
8	Trumpet
	Tympani

**SWELL**

16	Flute
8	Flute
	Violin (Gt)
	String Ensemble (Gt)
	Orchestral Flute
4	Flute
2 2/3	Flute
2	Flute
1 3/5	Flute
	Choir
	Harpsichord
	Brass
	English Horn
	Tremulant
	Piano

**GREAT**

16	Flute (Sw)
8	Open Diapason
8	Stopped Diapason
	Piano
	String Ensemble (Gt)
4	Octave
4	Harmonic Flute
2	Fifteenth
	Mixture IV
8	Tromba
	Tremulant
	Carillon

**CHOIR**

16	Contra Dulciana
8	Claribel Flute
8	Viola Celeste II
4	Geigen
4	Lieblichgedeckt
2	Flageolet
1 1/3	Quintflöte
	Dulciana Mixture III
8	Tuba
8	Clarinet
	Tremulant
	Piano (Sw)

\* Orchestral Specification may be ordered as an alternative to the English Cathedral Specification.

**Renaissance Quantum™  
Q345 58 Stop/232 Voice  
Three-Manual Console**

**American Classic Specification**

**PEDAL**

32	Contre Violone
16	Diapason
16	Bourdon
16	Bourdon doux (Sw)
16	Violone (Gt)
8	Octave
8	Gedacktfloete
4	Choralbass
4	Flöte
	Mixture IV
32	Contre Bombarde
16	Bombarde
16	Contre Trompette (Sw)
8	Trumpet
4	Claron

**CHOIR**

16	Erzähler
8	Holzgedackt
8	Erzähler
8	Erzähler Celeste
4	Prinzipal
4	Koppelflöte
4	Erzähler Celeste II
2	Oktav
1 1/3	Quintflöte
	Zimbel III
16	Rankett
8	Festival Trumpet
8	Krummhorn
	Tremulant

**COUPLERS & GENERALS**

8	Great To Pedal
8	Swell To Pedal
4	Swell To Pedal
8	Choir To Pedal
	MIDI On Pedal
16	Swell To Swell
	Swell Unison Off
4	Swell To Swell
	MIDI On Swell
16	Swell To Great
8	Swell To Great
4	Swell To Great
8	Choir To Great
	MIDI On Great
16	Swell To Choir
8	Swell To Choir
4	Swell To Choir
	Choir Unison Off
	MIDI On Choir
	Melody Coupler Ch > Gt
	Bass Coupler
	Alternate Tuning
	Tremulants Full
	Gt-Pd Unenclosed
	Choir Unenclosed
	Gt-Ch Manual Transfer
	Swell Mains Off
	Swell To Antiphonal
	Gt-Ch-Pd Mains Off
	Gt-Ch-Pd To Antiphonal
	Zimbelstern (Orchestral Specification)
	Cymbal on Orchestral Specification)

**SWELL**

16	Bourdon doux
8	Rohr Bourdon
8	Viola Pomposa
8	Viola Celeste
8	Flute Celeste II
4	Octave Geigen
4	Traverse Flute
2 2/3	Nasard
2	Piccolo
1 3/5	Tierce
	Fourniture IV
16	Contre Trompette
	[4 Orch. Flute]
8	Trompette [French Horn]
8	Oboe [Clarinet]
8	Vox Humana
4	Clairon [8 Cor Anglais]
	Tremulant
	Celesta

**GREAT**

16	Violone
8	Diapason
8	Harmonic Flute
8	Bourdon
8	Gamba
4	Octave
4	Flute
2 2/3	Twelfth
2	Fifteenth
	Mixture IV
	Cymbale III
8	Tromba
	Tremulant
	Chimes
	Celesta

Note: *Italic type indicates Second Voices in American Classic, English Cathedral, French Romantic, and Neo-Baroque Swell Divisions.*

**Q345 Features:**

- Quad Suite™ with Voicing Display and Bar Graph
- Console Controller™ with Transposer and Acoustic Portrait™ Switch
- Air Regulator™, Piston Sequencer™ and Sostenuto
- General, GS and XG MIDI compatibility
- Reed Switch keying standard; OST™ (Optical Sensing Technology) keying optional
- Active Pipe Response™ (Optional)
- Console Dimensions: Width 65-1/4" (165.8 cm); Height: 51-1/2" (130.8 cm); Depth: 35" (88.9 cm); Depth with pedalboard and bench: 58" (147.3 cm)
- Audio System: 7 channels totaling 620 watts RMS, 6 full-range speaker cabinets (minimum), one bass cabinet.

## English Cathedral Specification

### PEDAL

- 32 Contre Violone
- 16 Open Diapason
- 16 Double Diapason (Gt)
- 16 Bourdon
- 16 Lieblich Flute (Sw)
- 8 Octave
- 8 Bass Flute
- 4 Choralbass
- 4 Octave Flute
- Mixture IV
- 32 Double Ophicleide
- 16 Ophicleide
- 16 Waldhorn (Sw)
- 8 Trumpet
- 4 Clarion

### SWELL

- 16 Lieblich Flute
- 8 Harmonic Flute
- 8 Viola
- 8 Viola Celeste
- 8 Flute Celeste II
- 4 Principal
- 4 Concert Flute
- 2 2/3 Nazard
- 2 Piccolo
- 1 3/5 Tierce
- Mixture V
- 16 Waldhorn [4 Orch. Flute]
- 8 Cornopean [French Horn]
- 8 Oboe [Clarinet]
- 8 Vox Humana
- 4 Clairon [8 Cor Anglais]
- Tremulant
- Celesta

### GREAT

- 16 Violone
- 8 Open Diapason
- 8 Stopped Diapason
- 8 Harmonic Flute
- 8 Gamba
- 4 Octave
- 4 Harmonic Flute
- 2 2/3 Twelfth
- 2 Fifteenth
- Mixture IV
- Carillon Mixture III
- 8 Tromba
- Tremulant
- Carillon
- Celesta

### CHOIR

- 16 Contra Dulciana
- 8 Claribel Flute
- 8 Dulciana
- 8 Dulciana Celeste
- 4 Geigen
- 4 Lieblichgedeckt
- 4 Dulciana Celeste II
- 2 Gemshorn
- 1 1/3 Quintflute
- Dulciana Mixture III
- 16 Bass Clarinet
- 8 Tuba
- 8 Clarinet
- Tremulant

## French Romantic Specification

### PÉDALE

- 32 Montre
- 16 Contrebasse
- 16 Montre (Gt)
- 16 Flûte
- 16 Bourdon doux (Réc)
- 8 Basse
- 8 Flûte
- 4 Prestant
- 4 Flûte
- Mixture IV
- 32 Contre Bombarde
- 16 Bombarde
- 16 Bombarde (Réc)
- 8 Trompette
- 4 Clairon

### RÉCIT

- 16 Bourdon doux
- 8 Bourdon
- 8 Gambe
- 8 Voix Céleste
- 8 Flute Céleste II
- 4 Prestant
- 4 Flûte Traversière
- 2 2/3 Nasard
- 2 Octavin
- 1 3/5 Tierce
- Plein-jeu IV
- 16 Contre Trompette
- [4 Orch. Flute]
- 8 Trompette [French Horn]
- 8 Hautbois [Clarinet]
- 8 Voix Humaine
- 4 Clairon [8 Cor Anglais]
- Trémolo
- Célesta

### GRAND-ORGUE

- 16 Montre
- 8 Montre
- 8 Flûte Harmonique
- 8 Bourdon
- 8 Gambe
- 4 Prestant
- 4 Flûte
- 2 2/3 Quinte
- 2 Doublette
- Progression
- Harmonique IV
- Cymbale III
- 8 Trompette
- Trémolo
- Carillon
- Célesta

### POSITIF

- 16 Dulciane
- 8 Bourdon
- 8 Dulciane
- 8 Dulciane Céleste
- 4 Principal
- 4 Flûte Conique
- 4 Dulciane Céleste II
- 2 Doublette
- 1 1/3 Larigot
- Cymbale III
- 16 Rankett
- 8 Trompette en chamade
- 8 Cromorne
- Trémolo

## Neo-Baroque Specification

### PEDAL

- 32 Contre Violone
- 16 Principal
- 16 Subbass
- 16 Violone (Gt)
- 16 Lieblichgedeckt (Sw)
- 8 Octave
- 8 Metal Gedeckt
- 4 Choralbass
- 4 Floete
- Rauschpfeife III
- 32 Contre Fagott
- 16 Fagott
- 16 Contre Trompette (Sw)
- 8 Trompette
- 4 Clarion

### SWELL

- 16 Lieblichgedeckt
- 8 Rohrfloete
- 8 Salicional
- 8 Voix Celeste
- 8 Flute Celeste II
- 4 Flachfloete
- 4 Rohrfloete
- 2 2/3 Nasat
- 2 Nachthorn
- 1 3/5 Terz
- Mixture IV
- 16 Contre Trompette
- [4 Orch. Flute]
- 8 Trompette [French Horn]
- 8 Oboe-Schalmei [Clarinet]
- 8 Dulzian
- 4 Clarion [8 Cor Anglais]
- Tremulant
- Celesta

### GREAT

- 16 Violone
- 8 Principal
- 8 Metal Gedeckt
- 8 Kupfergedeckt
- 8 Salicional
- 4 Octave
- 4 Koppelfloete
- 2 2/3 Quinte
- 2 Principal
- Mixture IV
- Cymbale III
- 8 Trompette
- Tremulant
- Chimes
- Celesta

### POSITIV

- 16 Contre Salicional
- 8 Holzgedeckt
- 8 Salicional
- 8 Voix Celeste
- 4 Principal
- 4 Rohrfloete
- 4 Voix Celeste II
- 2 Gemshorn
- 1 1/3 Klein Nasat
- Scharf III
- 16 Rankett
- 8 Trompeta Real
- 8 Krummhorn
- Tremulant

## Orchestral Specification\*

### PEDAL

- 32 Contre Violone
- 16 Open Diapason
- 16 Bourdon
- Cello
- 16 Flute (Sw)
- 8 Octave
- 8 Bass Flute
- 4 Choralbass
- 4 Octave Flute
- Mixture IV
- 32 Double Ophicleide
- 16 Ophicleide
- 16 Harpsichord (Sw)
- 8 Trumpet
- Tympani

### SWELL

- 16 Flute
- 8 Flute
- Violin
- String Ensemble
- 8 Flute Celeste II
- Orchestral Flute
- 4 Flute
- 2 2/3 Flute
- 2 Flute
- 1 3/5 Flute
- Choir
- Harpsichord
- Brass I
- English Horn
- 8 Vox Humana
- Brass II
- Tremulant
- Piano

### GREAT

- 16 Violone
- 8 Open Diapason
- 8 Stopped Diapason
- 8 Harmonic Flute
- String Ensemble
- 4 Octave
- 4 Harmonic Flute
- 2 2/3 Twelfth
- 2 Fifteenth
- Mixture IV
- Carillon Mixture III
- 8 Tromba
- Tremulant
- Carillon
- Piano

### CHOIR

- 16 Contra Dulciana
- 8 Claribel Flute
- 8 Dulciana
- 8 Dulciana Celeste
- 4 Geigen
- 4 Lieblichgedeckt
- 4 Dulciana Celeste II
- 2 Gemshorn
- 1 1/3 Quintflute
- Dulciana Mixture III
- 16 Bass Clarinet
- 8 Tuba
- 8 Clarinet
- Tremulant

\* Orchestral Specification may be ordered as an alternative to the English Cathedral Specification.

# Quad Suite™

Specifications and stop lists subject to change without notice or obligation

Renaissance Quantum™ Q345 58 Stop/232 Voice Three-Manual Console

# The Quantum Advantage

Allen Renaissance™ organs have become the choice of thousands of churches in the 21st century.

Now, with the introduction of Quad Suite™ and Acoustic Portrait™ technology the Renaissance Quantum™ Series redefines the state-of-the-art and will take your organ performance to a new level.

American Classic



**Quad Suite™**

provides the versatility of four separate and distinct organs in one console. Choose from American Classic, Neo-Baroque, English Cathedral or French Romantic for the stop list that perfectly complements your music. The specifications are comprised of unique pipe samples from the world's finest examples of each major organ-building style. The touch of a button changes the entire organ to the stop list of your choice! An Orchestral specification, perfect for blended worship, is available as an alternative to the English Cathedral specification. In addition to a complement of traditional organ voices, the Orchestral specification offers many popular sounds typically found in external MIDI modules. These include: Strings, Piano, Brass, Woodwinds and Percussion.

English Cathedral



French Romantic



Neo-Baroque



Orchestral

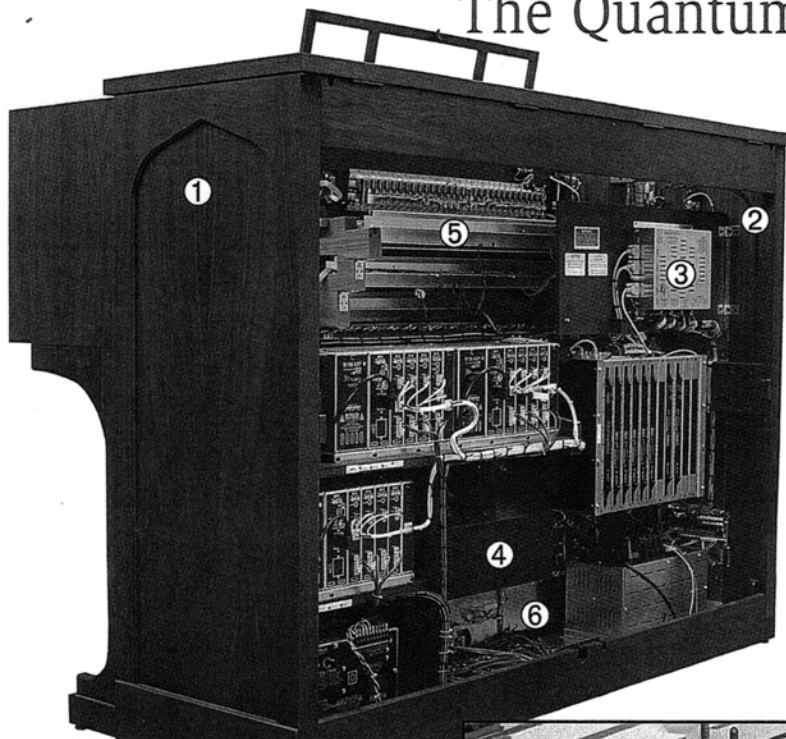


**Acoustic Portrait™**

**Acoustic Portrait™** — Quantum instruments are the only digital organs to bring the science of sampling to acoustics! Ordinary electronic reverb is a synthetic imitation of acoustics “applied to” the sound, not created as an integral part of it. Acoustic Portrait™ produces the real thing in exacting detail!

Acoustic Portrait™ begins with a sampling process using impulse responses that measure an actual room's acoustic properties. These measurements are then stored in the organ's computer memory. Through an advanced real-time mathematical process called convolution, the acoustics of the sampled room actually become an integral part of the organ's sound, producing a noticeably smoother, more natural result than synthetic reverb. Allen engineers have recorded the acoustics of cathedrals and other acoustically desirable buildings throughout the world. With advanced processors (DSP's) and patented low-latency convolution algorithms, Acoustic Portrait™ reproduces the true acoustic response of each original room with stunning realism! Each Quantum™ organ features 10 different Acoustic Portraits, ranging from intimate rooms to cavernous cathedrals.

# The Quantum Difference

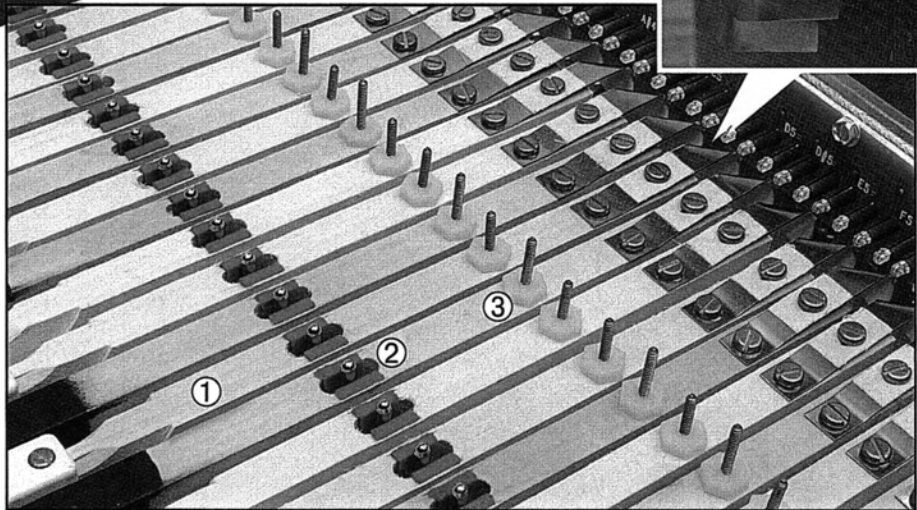
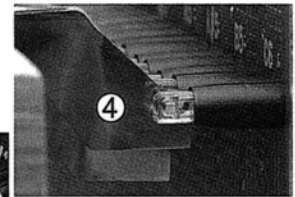


Allen consoles employ the finest materials and construction techniques for ultimate reliability, longevity and safety.

- ① Select hardwood veneers over "butcher-block" hardwood core construction
- ② Internal console finish protects wood
- ③ Protective metal cages for internal assemblies
- ④ Cast Aluminum expression pedals and protective metal surround cage
- ⑤ Modular sub-assembly assures ease of service
- ⑥ EMI shielding prevents electronic emissions that can interfere with other electronic devices



**Long-term service support** - Allen Organ Company maintains vaults of replacement parts for Allen instruments regardless of age. This ongoing commitment to product support is unique in today's "throw-away" society. Allen representatives also maintain service parts for the quickest response to service needs.



Allen keyboards set the standard by which all others are compared.

- ① Full-length wood key stick provides superior flex/rigidity key characteristics
- ② Felt bushings and metal guide pins minimize lateral key movement
- ③ Adjustable contact point, travel and tension facilitate alignment throughout the keyboard's life
- ④ Optional OST™ (Optical Sensing Technology): keystick blade bisects LED beam; impervious to dust, corrosion and pollution



[www.allenorgan.com](http://www.allenorgan.com)

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