

# ACE BACKSTAGE CO., INC. STAGE POCKET SYSTEMS

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# DATA SHEET

Choir Stick Microphones  
 Data Spec Sheet  
 Revision: 9.26.13

<b>Model Numbers:</b>	<b>#CSM-41x/61x</b> (where x is element type   C=Cardioid, SC=Supercardioid)
<b>Model Name:</b>	<b>Choir Stick Microphone</b>
<b>Model Description:</b>	<b>Choir Stick Microphone using Shure® Technology</b>

## CSM-41 and CSM-61 CHOIR STICK MICROPHONES

The CSM-41 and CSM-61 Choir Stick Microphones offer the ultimate performance of an overhead hanging choir microphone in a totally portable configuration. The low profile, light weight, black, aluminum, space age alloy Stick mic is available in both 40" and 60" models. The Boom Stick places the microphone element ideally above and over any choir.

This versatile Stick Microphone mounts on any standard microphone stand with any standard taper-body mic stand clip. It is extremely stable and will not easily tip over. Two pick-up pattern choices mean one will be right for your needs. Use the CSM-41 or CSM-61 Choir Stick Microphone for children or adult groups on the stage steps, portable risers, or anywhere.

The CSM-41 (40" long) and CSM-61 (60" long) Choir Stick Microphone features SHURE®'S miniature electret condenser elements assembled into an ultra light weight aluminum boom shaft (.312" Dia.) for long reach, high performance microphone applications. Each Stick Microphone version is supplied with a Taper-Body Clutch Stand Mount and a U-U Clip ready for use with any standard microphone stand. The CSM Stick Microphone is a miniature electret condenser microphone available with a series of interchangeable elements.

It is designed for quality sound reinforcement, professional recording, television, and other demanding sound pickup situations. The small-diameter gooseneck design permits highly flexible positioning while maintaining a smooth, well contoured appearance. The output connection power module for the Stick Microphone is an Integral 3-pin XLRM-type, phased with phantom power requirements of 11-52V dc, 2mA typical and an output impedance EIA rated at 150 ohms (180 ohms actual).

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## CHOIR STICK MIC MODEL NUMBERS

#CSM-41C .....	40" Long Choir Stick Mic w/ 130° Cardioid Element
#CSM-41SC .....	40" Long Choir Stick Mic w/ 115° Supercardioid Element
#CSM-61C .....	60" Long Choir Stick Mic w/ 130° Cardioid Element
#CSM-61SC .....	60" Long Choir Stick Mic w/ 115° Supercardioid Element

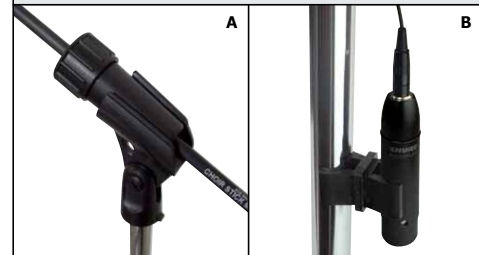
## SHURE ELEMENTS

### SHURE CHOIR STICK MIC ELEMENTS

The flexible design of the Shure® Micro-Flex gooseneck allows greater maneuverability of the condenser while maintaining a sleek, compact appearance. Add versatility to your Shure® Choir Mic with optional interchangeable elements. Different pickup patterns are now attainable via interchangeable elements. These include:



## TAPER BODY CLUTCH STAND MOUNT and U-U CLIP



### TAPER BODY CLUTCH STAND MOUNT (A)

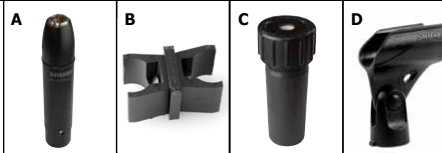
The simple design of the Taper Body Clutch Stand Mount makes it easy to use on almost any standard microphone stand. The compact size creates a sleek look while maintaining a stable foundation.

### U-U CLIP (B)

The U-U Power Module Clip captures the power module against the mic stand for easy connection with mating cable. Made with state of the art molded plastic, this clip is strong and durable.

## CHOIR STICK MICROPHONES INCLUDE

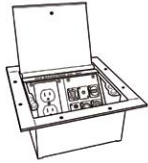
The Choir Stick Microphone is supplied with a Phantom Power Module (A), a U-U Power Module Clip (B), a Taper Body Clutch (C), and a Stand Mount Clip (D). The Stick Mic also requires 11-52v of Phantom Power and **DOES NOT** include the stand.



## CSM-40 and CSM-60 CHOIR STICK MICROPHONES SPECIFICATIONS

MODEL NUMBER	MOUNT TYPE	POLAR PATTERN	FREQUENCY RESPONSE	OPEN CIRCUIT SENSITIVITY <sup>1</sup>	MAX INPUT SOUND LEVEL <sup>2</sup>	DYNAMIC RANGE <sup>3</sup>	SIGNAL-TO-NOISE RATIO <sup>4</sup>
#CSM-41/61C	Stick Mic	Cardioid	50-17,000 Hz	-53.5 dB (2.11mV)	123 dB SPL	94 dB	65 dB
#CSM-41/61SC	Stick Mic	Supercardioid	50-17,000 Hz	-52.5 dB (2.37mV)	122 dB SPL	94 dB	66 dB

<sup>1</sup> 1 kHz, reference 1/V microbar = 1 microbar = 74 db SPL | <sup>2</sup> 1kHz at 1% T.H.D., 1 k ohm load | <sup>3</sup> at 1 k ohm load | <sup>4</sup>referenced at 94 dB SPL



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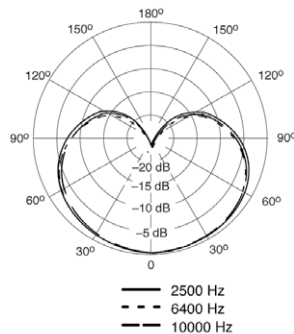
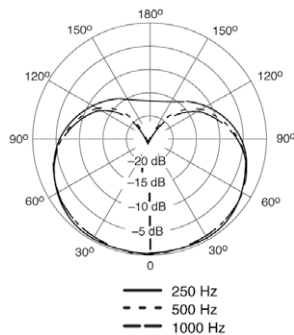
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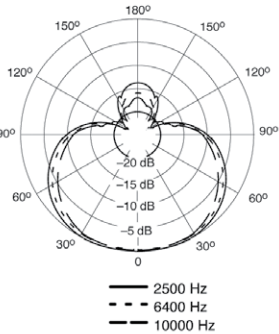
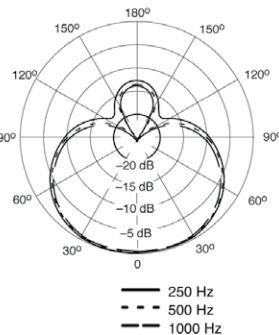
## SHURE CHOIR STICK MICROPHONE ELEMENT POLAR PATTERNS

### CARDIOID ELEMENT (130 )



**SHURE®**

### SUPER-CARDIOID ELEMENT (115 )



**SHURE®**

## ONE YEAR LIMITED WARRANTY

ACE BACKSTAGE CO., INC. brand STICK MIC products purchased in the USA are warranted for one year from date of purchase by ACE BACKSTAGE CO., INC. to be free of defects in materials and workmanship. In the event of such defect, product will be repaired promptly without charge, or replaced at our option with equal or better product if the item is delivered, shipping prepaid, to ACE BACKSTAGE CO., INC. with the sales receipt or other proof of the purchase date. This warranty excludes defects due to normal wear, abuse (damaged shaft, etc.), shipping damage, or failure to use the product in accordance with instructions. The warranty is void in the event of unauthorized repair or modification.

### **FOR RETURN APPROVAL AND SHIPPING INFORMATION CONTACT:**

**THE SERVICE DEPARTMENT  
ACE BACKSTAGE CO., INC.  
24846 AVENUE ROCKEFELLER • SUITE 200  
VALENCIA, CA 91355-3467**

Except to the extent precluded by applicable state law, ACE BACKSTAGE CO., INC. WILL HAVE NO LIABILITY FOR ANY CONSEQUENTIAL, INCIDENTAL, OR SPECIAL DAMAGES; ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE EXPIRES WHEN THIS EXPRESS WARRANTY EXPIRES.