

Instrument

Click on instrument for diagram

Overhead Cymbals

Snare Drum

Kick Drum

Tom-toms

Hi-hat

Snare, hi-hat and high tom

Shure Mic:

PG81 or SM81

Sound:

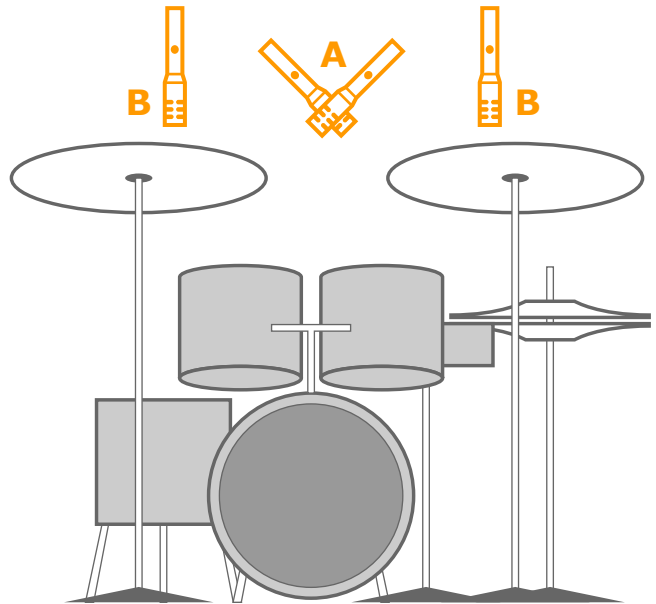
Natural; sounds like drummer hears set

Placement:

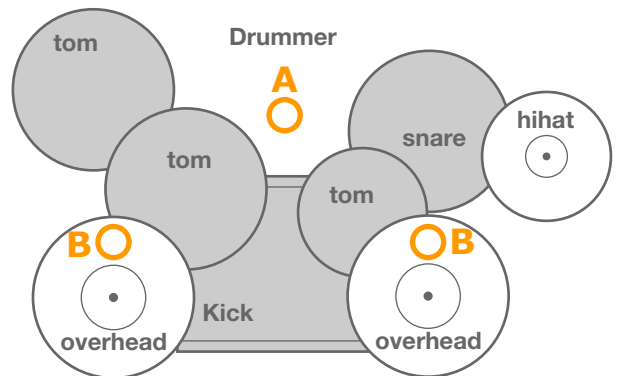
One mic over center of drum set about 1' over the drummer's head (Position A), or use two spaced or crossed mics for stereo (Positions A or B)

Comments:

Picks up ambience and leakage. To reduce excessive cymbal ring, apply masking tape in radial strips from bell to rim



Front View



Top View

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Hi-hat

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Shure Mic:

PG57 or SM57

Sound:

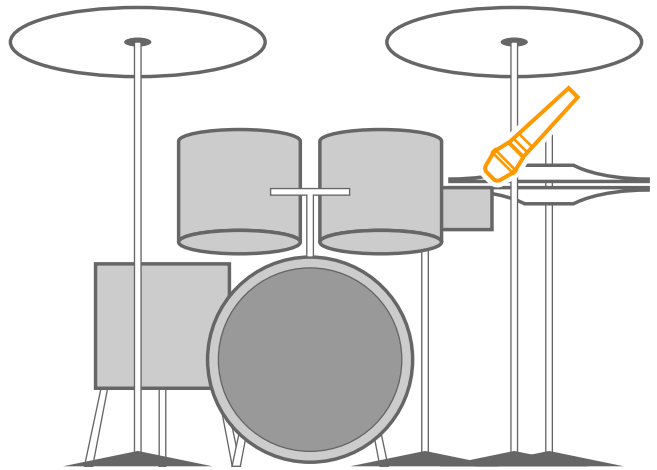
Full, smooth

Placement:

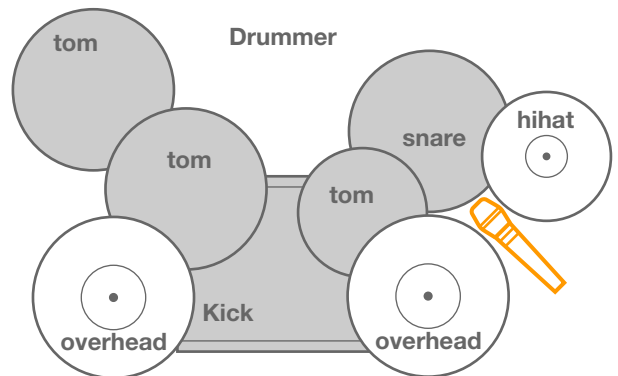
Just above top head at edge of drum, aiming at top head. Coming in from front of set on boom or miniature microphone mounted directly on drum

Comments:

Tape gauze pad or handkerchief on top head to tighten sound



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Top View

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Hi-hat

Snare, hi-hat and high tom

Shure Mic:

PG52 or Beta 52

Sound:

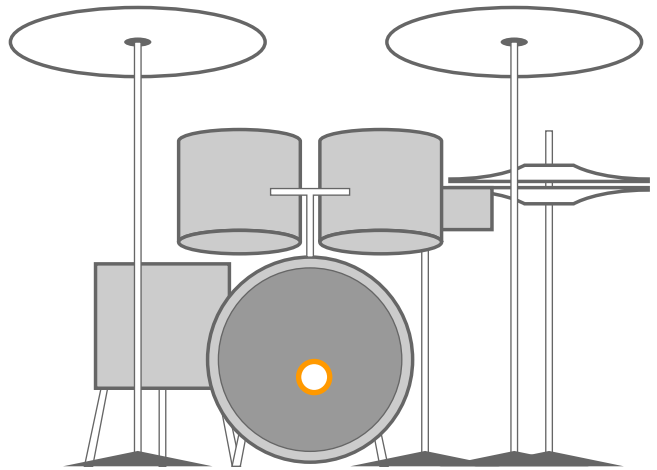
Full, good impact

Placement:

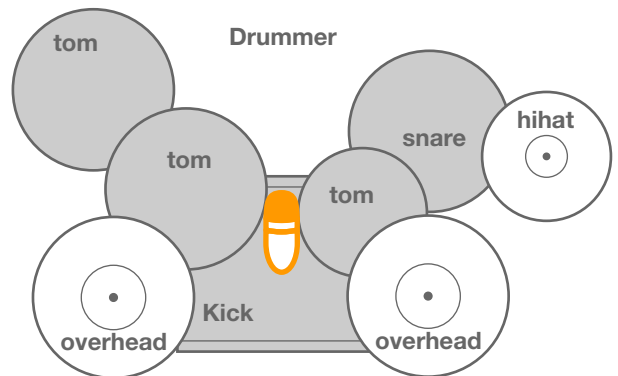
Remove front head if necessary. Mount microphone on boom arm inside drum a few inches away from beater head, about 1/3 of way in from edge of head; or place surface-mounting microphone inside drum on damping material, with microphone element facing beater head

Comments:

Put pillow or blanket on bottom of drum against beater head to tighten beat. Use wooden beater or loosen head for more impact and punch



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Hi-hat

Snare, hi-hat and high tom

Shure Mic:

PG56, SM57 or Beta 98

Sound:

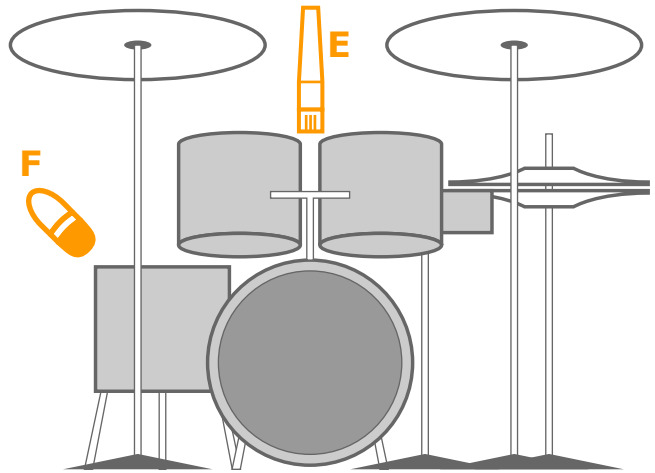
Full, good impact

Placement:

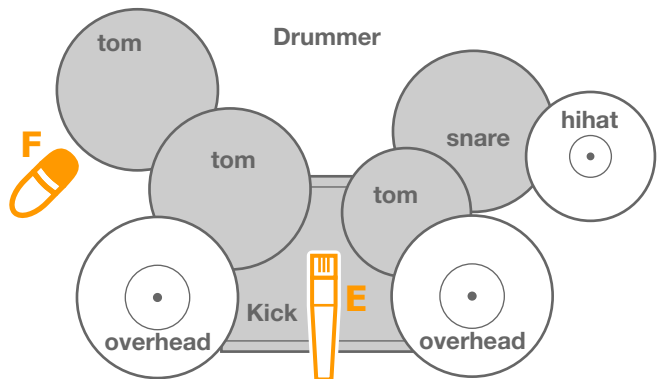
One microphone between every two tom-toms, close to top heads. (Position E); or one microphone just above each tom-tom rim, aiming at top head (Position F); or one microphone inside each tom-tom with bottom head removed; or miniature microphone mounted directly on drum

Comments:

Inside drum gives best isolation



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Shure Mic:

PG81 or SM81

Sound:

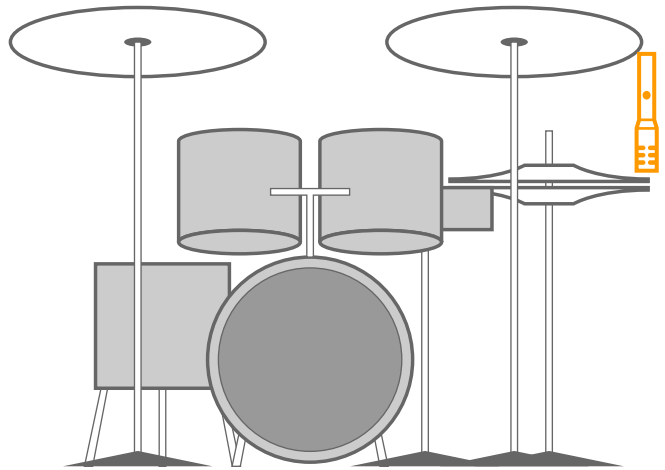
Natural, bright

Placement:

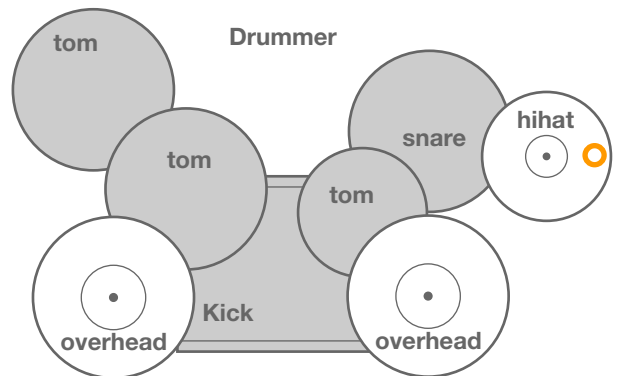
Aim microphone down toward the cymbals, a few inches over edge away from drummer. Or angle snare drum microphone slightly toward hi-hat to pick up both snare and hi-hat

Comments:

Place microphone or adjust cymbal height so that puff or air from closing hi-hat cymbals misses mic. To reduce hi-hat leakage into snare-drum microphone, use small cymbals vertically placed 1/2" apart



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Sound:

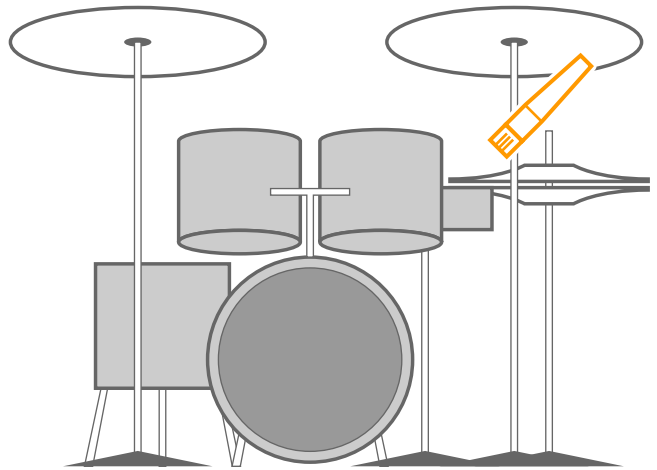
Natural

Placement:

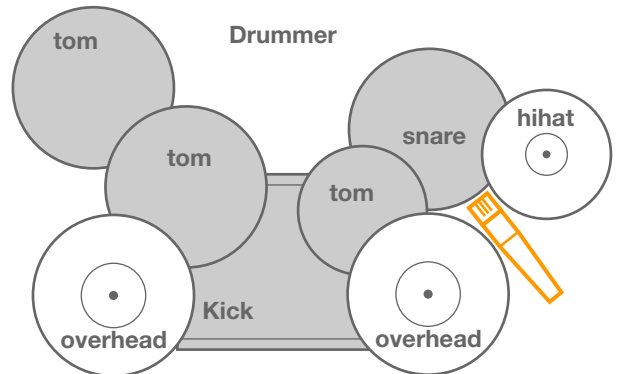
Place single microphone a few inches from snare drum edge, next to high tom, just above top head of tom. Microphones come in from front of set on a boom

Comments:

Provides good pickup with little leakage



Front View



Top View