Battery Provisions

Transceiver:

6 Shure UR1

Dates:

Dates of use

Fit up

Wed 26th May – 3 hour - won't need for whole session

Thur 27th May – 1 Hour - won't need for whole session

Sat 29th May – 3 hours - won't need for whole session

Tech/perf week 1

Tues 1st June – 11 hours

Wed 2nd June – 11 hours

Thur 3rd June – 9 hours

Fri 4th June – 10.5 hours

Sat 5th June – 7.5 hours

Tech/perf week 2

Tues 8th June – 10.5 hours

Wed 9th June – 5.5 hours

Thurs 10th June – 10.5 hours

Fri 11th June – 5.5 hours

Sat 12th June – 7.5 hour

Total Hours

95.5

UR1 Battery requirements

What is the expected battery life of the UR1 and UR2 transmitter?

With the use of two AA alkaline batteries, the battery life for the UHF-R UR1/UR2 transmitters in low power output mode is rated at **7.5 to 9.5 hours.** The battery life will vary depending on how many times the backlight of the display is activated, how many times the transmitter is powered on/off, and how much audio is passing through the system. This is comparable to the battery life of the previously available UHF transmitters U1 and U2 which was 8 to 10 hours depending on conditions.

Battery life of UHF-R transmitters (shure.com)

Battery types (we use)

Duracell Procell – Alkaline 1.5v

Duracell Industrial – Alkaline 1.5v

Calculating Battery requirements

Hours/7.5 Hour's battery life on low power output mode with 2 batteries

95.5/7.5= 12.3 = 13 batteries per receiver

However, as Professionalism prefers new batteries per day/per Session.

1 receiver

Wed 26th May - Sat 29th May – 3 hours - won't need for whole session 2 Battery

Tech/perf week 1

Tues 1st June – 11 hours - 4 battery

Wed 2nd June – 11 hours - 4 battery

Thurs 3rd June – 9 hours - 4 battery

Fri 4th June – 10.5 hours - 4 battery

Sat 5th June – 7.5 hours - 2 battery

Batteries = 20

Tech/perf week 2

Tues 8th June – 10.5 hours - 4 battery

Wed 9th June – 5.5 hours - 2battery

Thurs 10th June – 10.5 hours - 4 battery

Fri 11th June – 5.5 hours - 2 battery

Sat 12th June – 7.5 hour - 2 battery

Batteries = 14

34 total

34 Batteries per receiver

If just 5 active receivers

34 x 5 = 170

If all 6 active

34x6 receivers = 204 Batteries

Procell

Industrial