MX projectors

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MEMO TO FILE

Date: September 28, 2026
Subject: Main Auditorium Sharp Projectors – Lamp Troubleshooting, Current Status and Replacement Planning
Location: McKnight Crossings Church of Christ – Main Auditorium

Existing Projectors

McKnight has two **Sharp XG-P610X-N** large-venue DLP projectors associated with the main auditorium: the primary auditorium projector and a spare/backup unit.

The XG-P610X is a commercial three-chip DLP projector originally rated at approximately **6,000 ANSI lumens**. It uses **two 280-watt lamps**, Sharp part number **AN-P610LP**, and can operate using both lamps or a single lamp. Sharp lists expected lamp life at approximately **2,000 hours in normal operation or 3,000 hours in Eco mode**.

Projector information documented September 28, 2026:

Model: Sharp XG-P610X-N
Serial Number: 809411170
Second/spare projector serial number: To be documented

Both projectors should be labeled in the future as **MAIN** and **SPARE**, with their respective serial numbers, lamp replacement dates and lamp hours recorded.

Auditorium Installation

The existing projection screen was measured using the iPhone measurement tool at approximately:

11 ft. 10 in. wide × 8 ft. 11 in. high

This is essentially a **4:3 screen**, consistent with the native 1024 × 768 XGA resolution of the existing Sharp projector.

The existing projector-to-screen distance is estimated at approximately **50 feet**. Because of this unusually long projection distance, any eventual replacement cannot simply be a typical fixed-lens 6,000-lumen projector. The installation requires a commercial projector with an appropriate **long-throw interchangeable lens**.

Sharp originally offered lenses for the XG-P610X ranging from short throw through very long throw, including the AN-P30EZ at approximately 3.0–4.5:1 and AN-P45EZ at approximately

4.5–7.0:1.

An exact lens-to-screen measurement should be taken before purchasing any future projector or lens.

Troubleshooting Performed September 28, 2026

Both the primary and spare Sharp projectors have experienced lamp-related problems. Replacement lamps had previously been attempted, after which the projectors did not operate normally.

During testing on September 28, one projector displayed a **blinking red LAMP 2 indicator** and would not operate normally.

The lamp compartment was opened and inspected. Lamp 1 proved difficult/unable to be removed from one projector. Lamp 2 was removable and was the focus of troubleshooting.

Replacement lamp assemblies on hand were confirmed to be labeled:

Sharp replacement part: AN-P610LP

The replacement modules appear to be aftermarket assemblies rather than clearly identified Sharp OEM lamp assemblies.

Lamp 2 was removed/reseated/replaced during troubleshooting. The **Lamp 2 hour counter was also reset** using the projector's control-panel lamp-reset procedure. Resetting this counter records a new lamp installation but does not itself correct an ignition or lamp fault.

Sharp specifies that each XG-P610X uses two AN-P610LP lamp units and also notes that the lamp units and lamp-unit cover must be correctly installed for the projector to operate.

After continued troubleshooting, one of the two projectors was successfully returned to operation.

This is encouraging and suggests that immediate replacement of the auditorium projection system is **not currently necessary**.

Remaining Work – Spare Projector

The second/spare XG-P610X should also be returned to working condition if reasonably possible.

Because these projectors use two lamps and are now quite old, McKnight should purchase **at least two additional AN-P610LP lamp assemblies** to provide known-good lamps for troubleshooting and future replacement.

I would favor a reputable replacement assembly using a quality lamp rather than the least-expensive generic Amazon lamp. Current pricing for an AN-P610LP lamp and housing is approximately **$130 each** from iFixit.

Therefore, a reasonable budget would be:

2 replacement lamps: approximately **$260–$350**
4 replacement lamps: approximately **$520–$700**

Because each projector uses two lamps, purchasing **four known-quality replacements** may be reasonable if McKnight intends to keep both XG-P610X projectors operational for several more years.

I would not pay the very high prices sometimes requested for remaining "OEM" inventory without first considering the age and value of the projectors.

Long-Term Replacement Planning

Although one projector is now operational, the XG-P610X is an older lamp-based system. It is prudent to begin planning for eventual replacement rather than waiting for a failure that cannot economically be repaired.

A modern replacement should have approximately:

7,000–8,000+ lumens, laser illumination, WUXGA or better resolution, interchangeable lenses, substantial lens shift, and a long-throw lens suitable for the approximately 50-foot projection distance.

One current Sharp possibility is the **Sharp XP-A824U**, an 8,200-lumen WUXGA laser installation projector. Sharp's compatible **XP-43ZL** long-throw lens covers approximately **2.88–5.93:1** and is currently listed by Sharp at **$2,379**. The XP-A824U is currently listed around **$12,319**, making the combination roughly **$14,700 before installation**, although dealer pricing may be lower.

A potentially less-expensive alternative is the **Panasonic PT-MZ782**, a WUXGA laser installation projector. With Panasonic's ET-ELT23 long-throw lens, the system supports approximately **4.44–7.12:1** throw. Current projector pricing is approximately **$6,500–$7,000**, plus the appropriate lens. Because our estimated installation falls near the lower end of that lens's range, exact measurements would be required before purchase.

For planning purposes, a realistic budget for a modern commercial laser replacement is therefore approximately **$9,000–$15,000**, depending upon projector, lens and installation requirements.

Current Plan

The immediate plan is to **continue using the Sharp projector successfully restored to operation today** rather than replacing it.

McKnight should:

1. Purchase at least **two additional quality AN-P610LP replacement lamp assemblies**, with consideration given to purchasing four.
2. Continue troubleshooting the **spare XG-P610X** and attempt to return it to reliable operating condition.
3. Record the serial number and lamp hours for both projectors and identify them clearly as MAIN and SPARE.

4. Retain the spare as an immediately available backup for the auditorium.
5. Avoid significant electronic repair expense on either unit given their age.
6. Begin treating approximately **$9,000–$15,000** as a long-term capital planning estimate for an eventual laser projector and appropriate long-throw lens.
7. Before purchasing a replacement projector, obtain an accurate **lens-to-screen measurement** and have the proposed projector/lens combination verified against the existing 11’10” × 8’11” screen and mounting position.

Conclusion: The successful restoration of one projector on September 28 avoids the need for an immediate major capital purchase. Given the relatively modest cost of replacement lamps, the sensible near-term approach is to maintain the functioning projector, restore the spare if possible, keep replacement lamps in inventory, and plan for eventual conversion to a modern laser-based projection system.

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September 28, 2026