

Supporting Information for
Simultaneous Deterministic Control of Distant Qubits in Two Semiconductor
Quantum Dots

A. Gamouras, R. Mathew, S. Freisem, D. G. Deppe, and K. C. Hall

Correspondence to: kimberley.hall@dal.ca

This PDF file includes:

Captions for Movies S1 to S2

Movie S1

Dynamics of the pseudo spin vector on the Bloch sphere for the exciton states in QD1 (red circles) and QD2 (black squares) under control by a shaped pulse. The orientation of the Bloch sphere is identical to that in Fig. 3a in the main text. The time dependence of the electric field is shown in Fig. S4b.

Movie S2

Dynamics of the pseudo spin vector on the Bloch sphere for the exciton states in QD1 (red circles) and QD2 (black squares) under control by an unshaped pulse. The orientation of the Bloch sphere is identical to that in Fig. 3a in the main text. The time dependence of the electric field is shown in Fig. S4e.