Supplementary Figure 2  Excitability of SACs during the slow AHP. (a) Pair-pulse stimulation by ramp currents (left, top trace) to evoke voltage responses from the presynaptic SAC under current clamp (left, middle trace) and current responses from the postsynaptic SAC under voltage clamp –70 mV (left, lower trace), showing the inability of the second pulse (given during the AHP) to evoke suprathreshold presynaptic spikes and postsynaptic nicotinic responses. Increasing the amplitude and the slope of the second pulse (right, top trace) evoked suprathreshold presynaptic spikes (right, middle trace) and large postsynaptic responses (right, lower trace). (b) Time dependent recovery of membrane excitability from the AHP. Left panel, a train of 6 current pulses (100 pA in initial amplitude, with 50-pA increments, top) given at various times after the induction of a burst of spikes and a slow AHP by the first pulse train (marked 1, bottom). Right panel, blown-up view of parts of the voltage responses marked 1 - 4 in the left panel. The responses to the same pulse train were smallest at the peak of the AHP (marked 2) and gradually increased in size as the AHP decayed (marked 3 and 4).